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OM protein - protein search, using sw model

Run on: December 7, 2005, 12:43:07 ; Search time 96.4502 Seconds  
(without alignments)  
1901.779 Million cell updates/sec

Title: US-09-319-724B-1  
Perfect score: 2347  
Sequence: 1 MYIDDLPIWGIVGEADENCE.....FYFGYMAVFSTALGIMCGAI 439

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA Main:  
1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/US11\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2347	100.0	579	US-10-755-466-4	Sequence 4, Appli
2	2347	100.0	582	US-10-755-466-2	Sequence 2, Appli
3	2340	99.7	545	US-09-374-046A-26	Sequence 26, Appli
4	2340	99.7	545	US-10-616-263-26	Sequence 26, Appli
5	1745	74.4	586	US-10-287-436A-620	Sequence 620, App
6	1719.5	73.3	567	US-11-097-143-22278	Sequence 22278, A
7	1543	65.7	530	US-10-205-219-121	Sequence 121, App
8	1437	61.2	596	US-10-425-115-325471	Sequence 325471,
9	1436	61.2	576	US-10-425-114-66140	Sequence 66140, A
10	1435	61.1	552	US-10-425-115-286624	Sequence 286624,
11	1430	60.9	594	US-10-767-701-44284	Sequence 44284, A
12	1428.5	60.9	595	US-10-425-115-325582	Sequence 325582,
13	1424	60.7	617	US-10-437-963-141888	Sequence 141888,
14	1412	60.2	596	US-10-437-963-116913	Sequence 116913,
15	1411	60.1	595	US-10-739-930-9909	Sequence 9909, Ap
16	1278.5	54.5	424	US-10-437-963-103141	Sequence 103141,
17	1158	49.3	500	US-10-425-115-206340	Sequence 206340,
18	915.5	39.0	341	US-10-424-599-246293	Sequence 246293,
19	911.5	38.8	692	US-10-425-115-202293	Sequence 202293,
20	910.5	38.8	627	US-10-425-114-42573	Sequence 42573, A
21	907.5	38.7	595	US-10-767-701-45514	Sequence 45514, A
22	906	38.6	624	US-10-425-114-45661	Sequence 45661, A
23	906	38.6	647	US-10-424-599-204944	Sequence 204944,
24	905.5	38.6	589	US-10-425-115-359244	Sequence 359244,
25	903	38.5	645	US-10-739-930-11074	Sequence 11074, A
26	902.5	38.5	623	US-10-425-114-62405	Sequence 62405, A
27	901.5	38.4	592	US-10-424-599-174369	Sequence 174369,

ALIGNMENTS

RESULT 1

US-10-755-466-4  
; Sequence 4, Application US/10755466  
; Publication No. US20040265854A1  
; GENERAL INFORMATION:  
; APPLICANT: HIDAKA, Jun et al.  
; TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING I  
; FILE OF INVENTION: BINDING ACTIVITIES, AND THEIR USES  
; FILE REFERENCE: 0020-4827P  
; CURRENT APPLICATION NUMBER: US/10/755,466  
; CURRENT FILING DATE: 2004-01-13  
; PRIOR APPLICATION NUMBER: US/09/786,681  
; PRIOR FILING DATE: 2001-04-30  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4  
; LENGTH: 579  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-755-466-4

Query Match Similarity 100.0%; Score 2347; DB 5; Length 579;

Best Local Similarity 100.0%; Pred. No. 5.5e-220; Mismatches 0; Indels 0; Gaps 0;  
Matches 439; Conservative 0;

Qy	1	MYIDDLPIWGIVGEADENGEDYILWYKKLEIGFNGNRIVDVNLTSSEKVKLVPTNTKIQM	60
Db	122	MYIDDLPIWGIVGEADENGEDYILWYKKLEIGFNGNRIVDVNLTSSEKVKLVPTNTKIQM	181
Qy	61	SYSVWKKSVDKFDKYLDPSPFFQHRHWFISFNFSFMVIFLVGLVSMILMTRKD	120
Db	182	SYSVWKKSVDKFDKYLDPSPFFQHRHWFISFNFSFMVIFLVGLVSMILMTRKD	241
Qy	121	YARYSKEEEMDDMDLGDYGVKQVGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV	180
Db	242	YARYSKEEEMDDMDLGDYGVKQVGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV	301
Qy	181	AMIEDLYTERGSMLSLTAIFVYAATSPVNGYFGGSLYARQGGRRWIKQMFIGAFLIPAMVC	240
Db	302	AMIEDLYTERGSMLSLTAIFVYAATSPVNGYFGGSLYARQGGRRWIKQMFIGAFLIPAMVC	361
Qy	241	GTAFPFNFIAYIHASRAIPGTWVAVCCICFFVILPLNLVLTIGRLNSGQNPFCRVN	300
Db	362	GTAFPFNFIAYIHASRAIPGTWVAVCCICFFVILPLNLVLTIGRLNSGQNPFCRVN	421
Qy	301	AVPRPIPEKKWFMPEPAVIVCLGGILPFGSIFIEWYFIETSWAYKIYVYVGMMLVLVIL	360
Db	422	AVPRPIPEKKWFMPEPAVIVCLGGILPFGSIFIEWYFIETSWAYKIYVYVGMMLVLVIL	481
Qy	361	CIVTVCTIVCTYFLLNAEDYRWQWTSFLSAASTAIYVYVYFYFFKTKMYGLFQTSF	420

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Db 482 CIVTVCVTIVCTYFLLNAEDYRWQWTSFLSAASTAIYVYMYSFYFFKTKMYGLFQTSF 541
Qy 421 YFGYMAVFSTALGIMCGAI 439
Db 542 YFGYMAVFSTALGIMCGAI 560

RESULT 2
US-10-755-466-2
; Sequence 2, Application US/10755466
; Publication No. US20040265854A1
; GENERAL INFORMATION:
; APPLICANT: HIDAKA, Jun et al.
; TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING I
; FILE REFERENCE: 0020-4827P
; CURRENT APPLICATION NUMBER: US/10755.466
; CURRENT FILING DATE: 2004-01-13
; PRIOR APPLICATION NUMBER: US/09/786,681
; PRIOR FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 582
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-755-466-2

Query Match 100.0%; Score 2347; DB 5; Length 582;
Best Local Similarity 100.0%; Pred. No. 5.5e-220; Indels 0; Gaps 0;
Matches 439; Conservative 0; Mismatches 0;

Qy 1 MYIDDLPIWGIVGEADENGEDYILWTYKLEIGFNGNRIVDVNLITSEGKVKLVPTNTKIOM 60
Db 125 MYIDDLPIWGIVGEADENGEDYILWTYKLEIGFNGNRIVDVNLITSEGKVKLVPTNTKIOM 184
Qy 61 SYSVKWKKSDVKFEDREDKYLDPSPFFQHRHWFISFNSFMVIFLVGLVSMILMRTLKRD 120
Db 185 SYSVKWKKSDVKFEDREDKYLDPSPFFQHRHWFISFNSFMVIFLVGLVSMILMRTLKRD 244
Qy 121 YARYSKEEEMDDMRDLGDEYGWKQVHGDVFRPSSHPLIFSSLLIGSGCQIPAVSLIIV 180
Db 245 YARYSKEEEMDDMRDLGDEYGWKQVHGDVFRPSSHPLIFSSLLIGSGCQIPAVSLIIV 304
Qy 181 AMIEDLYTERGSMSTALFVYAATS PVNGYFGGSLYARQGRRWIKOMFIGAFLIPAMVC 240
Db 305 AMIEDLYTERGSMSTALFVYAATS PVNGYFGGSLYARQGRRWIKOMFIGAFLIPAMVC 364
Qy 241 GTAFFINFIAIYYHASRAIPFGTMVAVCCICFFVILPLNLVGTILGRNLGSGQPNFPCRVN 300
Db 365 GTAFFINFIAIYYHASRAIPFGTMVAVCCICFFVILPLNLVGTILGRNLGSGQPNFPCRVN 424
Qy 301 AVPRPIPEKKWMEPAVIVCLGGILPGSIFIEMYFIFTSFWAYKIYYVYGFMMMLVLVIL 360
Db 425 AVPRPIPEKKWMEPAVIVCLGGILPGSIFIEMYFIFTSFWAYKIYYVYGFMMMLVLVIL 484
Qy 361 CIVTVCVTIVCTYFLLNAEDYRWQWTSFLSAASTAIYVYMYSFYFFKTKMYGLFQTSF 420
Db 485 CIVTVCVTIVCTYFLLNAEDYRWQWTSFLSAASTAIYVYMYSFYFFKTKMYGLFQTSF 544
Qy 421 YFGYMAVFSTALGIMCGAI 439
Db 545 YFGYMAVFSTALGIMCGAI 563

RESULT 3
US-09-374-046A-26
; Sequence 26, Application US/09374046A
; Publication No. US20030096951A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
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; APPLICANT: LaVallie, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Agoetino, Michael J.
; APPLICANT: Steininger II, Robert J.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fecthel, Kim
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: GI 6075-83A
; CURRENT APPLICATION NUMBER: US/09/374,046A
; CURRENT FILING DATE: 1999-08-13
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-374-046A-26
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Query Match 99.7%; Score 2340; DB 3; Length 545;
Best Local Similarity 99.8%; Pred. No. 2.4e-219;
Matches 438; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MYIDDLPIWGIVGEADENGEDYILWTYKLEIGFNGNRIVDVNLITSEGKVKLVPTNTKIOM 60
Db 88 MYIDDLPIWGIVGEADENGEDYILWTYKLEIGFNGNRIVDVNLITSEGKVKLVPTNTKIOM 147
Qy 61 SYSVKWKKSDVKFEDREDKYLDPSPFFQHRHWFISFNSFMVIFLVGLVSMILMRTLKRD 120
Db 148 SYSVKWKKSDVKFEDREDKYLDPSPFFQHRHWFISFNSFMVIFLVGLVSMILMRTLKRD 207
Qy 121 YARYSKEEEMDDMRDLGDEYGWKQVHGDVFRPSSHPLIFSSLLIGSGCQIPAVSLIIV 180
Db 208 YARYSKEEEMDDMRDLGDEYGWKQVHGDVFRPSSHPLIFSSLLIGSGCQIPAVSLIIV 267
Qy 181 AMIEDLYTERGSMSTALFVYAATS PVNGYFGGSLYARQGRRWIKOMFIGAFLIPAMVC 240
Db 268 AMIEDLYTERGSMSTALFVYAATS PVNGYFGGSLYARQGRRWIKOMFIGAFLIPAMVC 327
Qy 241 GTAFFINFIAIYYHASRAIPFGTMVAVCCICFFVILPLNLVGTILGRNLGSGQPNFPCRVN 300
Db 328 GTAFFINFIAIYYHASRAIPFGTMVAVCCICFFVILPLNLVGTILGRNLGSGQPNFPCRVN 387
Qy 301 AVPRPIPEKKWMEPAVIVCLGGILPGSIFIEMYFIFTSFWAYKIYYVYGFMMMLVLVIL 360
Db 388 AVPRPIPEKKWMEPAVIVCLGGILPGSIFIEMYFIFTSFWAYKIYYVYGFMMMLVLVIL 447
Qy 361 CIVTVCVTIVCTYFLLNAEDYRWQWTSFLSAASTAIYVYMYSFYFFKTKMYGLFQTSF 420
Db 448 CIVTVCVTIVCTYFLLNAEDYRWQWTSFLSAASTAIYVYMYSFYFFKTKMYGLFQTSF 507
Qy 421 YFGYMAVFSTALGIMCGAI 439
Db 508 YFGYMAVFSTALGIMCGAI 526
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RESULT 4
US-10-616-263-26
; Sequence 26, Application US/10616263
; Publication No. US20040038276A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: LaVallie, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
```

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; APPLICANT: Agostino, Michael J.
; APPLICANT: Steininger II, Robert J.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fichtel, Kim
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: 00766.000103.5
; CURRENT APPLICATION NUMBER: US/10/616,263
; CURRENT FILING DATE: 2003-07-08
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-616-263-26

Query Match      99.7%; Score 2340; DB 4; Length 545;
Best Local Similarity 99.8%; Pred. No. 2.4e-219;
Matches 438; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MYIDDLPIWIGVEADENGEDYLLTYKKLEIGFNGNRIVDVNLTSEGKVLVPNTKIOM 60
DB 88 MYIDDLPIWIGVEADENGEDYLLTYKKLEIGFNGNRIVDVNLTSEGKVLVPNTKIOM 147

QY 61 SYSVWKKSVDKFEKDFDKYLDPSFQHRHWFHSIFNSFMMVIFLVGLVSMILMRTLKD 120
DB 148 SYSVWKKSVDKFEKDFDKYLDPSFQHRHWFHSIFNSFMMVIFLVGLVSMILMRTLKD 207

QY 121 YARYSKEEMDDMDRLDGLDEYQKQVHGDVFRPSSHPLIFSSLISSGCGQIFAVSLIIV 180
DB 208 YARYSKEEMDDMDRLDGLDEYQKQVHGDVFRPSSHPLIFSSLISSGCGQIFAVSLIIV 267

QY 181 AMIEDLYTERGSMSTAFVYAATSPVNGYFGSLYARQGGRRWIKQMFIGAFLIPAMVC 240
DB 268 AMIEDLYTERGSMSTAFVYAATSPVNGYFGSLYARQGGRRWIKQMFIGAFLIPAMVC 327

QY 241 GTAFINFTAIYYHASRAIPFGTMVAVCCICFFVLPLNLVGTILGRNLGSGPNPCRVN 300
DB 328 GTAFINFTAIYYHASRAIPFGTMVAVCCICFFVLPLNLVGTILGRNLGSGPNPCRVN 387

QY 301 AVPRPIKKWMEPAVIVCLGILPFGSIFTEMFIPTSFWAYKIYVYVGFMMVLVLVL 360
DB 388 AVPRPIKKWMEPAVIVCLGILPFGSIFTEMFIPTSFWAYKIYVYVGFMMVLVLVL 447

QY 361 CIVTCVTVCTVYFLNNAEDYRWQNTSFLSAASTAIYVVMYSFYFFPKTKMYGLFQTSF 420
DB 448 CIVTCVTVCTVYFLNNAEDYRWQNTSFLSAASTAIYVVMYSFYFFPKTKMYGLFQTSF 507

QY 421 YFGYMAVSTALGIMCGAI 439
DB 508 YFGYMAVSTALGIMCGAI 526

RESULT 5
US-10-287-436A-620
; Sequence 620, Application US/10287436A
; Publication No. US20050202421A1
; GENERAL INFORMATION:
; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER
; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF
; FILE REFERENCE: 10872.514696
; CURRENT APPLICATION NUMBER: US/10/287,436A
; CURRENT FILING DATE: 2002-10-31
; PRIOR APPLICATION NUMBER: US 60/336,220
; PRIOR FILING DATE: 2001-10-31
; NUMBER OF SEQ ID NOS: 1446
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 620
; LENGTH: 586

; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-436A-620

Query Match      74.4%; Score 1745; DB 5; Length 586;
Best Local Similarity 77.5%; Pred. No. 3.4e-161;
Matches 355; Conservative 12; Mismatches 51; Indels 40; Gaps 7;

QY 1 MYIDDLPIWIGVEADENGEDYLLTYKKLEIGFNGNRIVDVNLTSEGKVLK---VPNTK 57
DB 131 MYIDDLPIWIGVEADENGEDYLLTYKKLEIGFNGNRIVDVNLTSEGKVLKSKYKNDP 190

QY 58 IQMSYSVWKKSVDKFEKDFDKYLDPSFQHRHWFHSIFNSFMMVIFLVGLVSMILMRTL 117
DB 191 VIFS---KWEKSDVKFEKDFDNIL-IVLFSHRIHWFHSIFNSFMMVIFLVGLVSMILMRTL 246

QY 118 RKDYARYSKEEMDDMDRLDGLDEYQKQVHGDVFRPSSHPLIFSSLISSGCGQIFAVSLIV 177
DB 247 RKDYARYSKEEMDDMDRLDGLDEYQKQVHGDVFRPSSHPLIFSSLISSGCGQIFAVSLIV 306

QY 178 IIVAMIEDLYTERGSMSTAFVYAATSPVNGYFGSLYARQGGRRWIKQMFIGAFLIPA 237
DB 307 IIVAMIEDLYTERGSMSTAFVYAATSPVNGYFGSLYARQGGRRWIKQMFIGAFLIPA 366

QY 238 MVCGTAFINFTAIYYHASRAIPFGTMVAVCCICFFVLPLNLVGTILGRNLGSGPNPC 297
DB 367 M-----GVHCLLHQFH-SHLLP-----CFKSHSFNNWNGRLLHLHLCYSSSKSC 409

QY 298 RVNAVPRPIPE-----KKWMEPAVIVCLGILPFGSIFTEMFIPTSF 341
DB 410 WYNTWPKSVRSQAQLSLSCCCASSYTGKVMHGAIVIVCLGILPFGSIFTEMFIPTSF 469

QY 342 WAYKIYVYVGFMMVLVLVLICVTVCTVYFLNNAEDYRWQNTSFLSAASTAIYVVMY 401
DB 470 WAYKIYVYVGFMMVLVLVLICVTVCTVYFLNNAEDYRWQNTSFLSAASTAIYVVMY 529

QY 402 SFYIYFFTKMYGLFQTSFYFGYMAVSTALGIMCGAI 439
DB 530 SFYIYFFTKMYGLFQTSFYFGYMAVSTALGIMCGAI 567

RESULT 6
US-11-097-143-22278
; Sequence 22278, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22278
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; LENGTH: 567
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-22278

Query Match      73.3%; Score 1719.5; DB 6; Length 567;
Best Local Similarity 71.5%; Pred. No. 9.9e-159;
Matches 314; Conservative 48; Mismatches 52; Indels 25; Gaps 1;

Qy 1 MYIDLPWIGVGEADENGEDYLLWTKYLEIGFNGNRIVDVNLTSEGKVLGSKYINPD 190
Dy 1 MYIDLPWIGVGEADENGEDYLLWTKYLEIGFNGNRIVDVNLTSEGKVLGSKYINPD 190
Db 1 MYIDLPWIGVGEADENGEDYLLWTKYLEIGFNGNRIVDVNLTSEGKVLGSKYINPD 190

Qy 135 MYIDGLPIWKGVDKYLDPSPFFQHRHWFHIFNSFMVVIPLVGLVSLMRLTKD 60
Dy 135 MYIDGLPIWKGVDKYLDPSPFFQHRHWFHIFNSFMVVIPLVGLVSLMRLTKD 60
Db 135 MYIDGLPIWKGVDKYLDPSPFFQHRHWFHIFNSFMVVIPLVGLVSLMRLTKD 60

Qy 61 SYSYVKKKSDVKFEDRDKYLDPSFFQHRHWFHIFNSFMVVIPLVGLVSLMRLTKD 120
Dy 61 SYSYVKKKSDVKFEDRDKYLDPSFFQHRHWFHIFNSFMVVIPLVGLVSLMRLTKD 120
Db 61 SYSYVKKKSDVKFEDRDKYLDPSFFQHRHWFHIFNSFMVVIPLVGLVSLMRLTKD 120

Qy 121 YARYSKEEEMDDMDRLDGEYGWKQVHGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV 180
Dy 121 YARYSKEEEMDDMDRLDGEYGWKQVHGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV 180
Db 121 YARYSKEEEMDDMDRLDGEYGWKQVHGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV 180

Qy 255 YARYSKEEEMDDMDRLDGEYGWKQVHGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV 314
Dy 255 YARYSKEEEMDDMDRLDGEYGWKQVHGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV 314
Db 255 YARYSKEEEMDDMDRLDGEYGWKQVHGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV 314

Qy 181 AMIEDLYTERGSMSTAFVYAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMVC 240
Dy 181 AMIEDLYTERGSMSTAFVYAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMVC 240
Db 181 AMIEDLYTERGSMSTAFVYAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMVC 240

Qy 315 AIVGELYTERGSMSTAFVYAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMVC 374
Dy 315 AIVGELYTERGSMSTAFVYAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMVC 374
Db 315 AIVGELYTERGSMSTAFVYAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMVC 374

Qy 241 GTAFINFIATYIYHASRAIPGTMVAVCCICFFVILPLNLVGTILGRNLSCQPNPCRVN 300
Dy 241 GTAFINFIATYIYHASRAIPGTMVAVCCICFFVILPLNLVGTILGRNLSCQPNPCRVN 300
Db 241 GTAFINFIATYIYHASRAIPGTMVAVCCICFFVILPLNLVGTILGRNLSCQPNPCRVN 300

Qy 375 GTAFINFIATYIYHASRAIPGTMVAVCCICFFVILPLNLVGTILGRNLSCQPNPCRVN 418
Dy 375 GTAFINFIATYIYHASRAIPGTMVAVCCICFFVILPLNLVGTILGRNLSCQPNPCRVN 418
Db 375 GTAFINFIATYIYHASRAIPGTMVAVCCICFFVILPLNLVGTILGRNLSCQPNPCRVN 418

Qy 301 AVPRPIPEKMFMEPAVIVCLGGILPFGSIFIEYMFIFTSFAYKIYVYVGFMMVLVIL 360
Dy 301 AVPRPIPEKMFMEPAVIVCLGGILPFGSIFIEYMFIFTSFAYKIYVYVGFMMVLVIL 360
Db 301 AVPRPIPEKMFMEPAVIVCLGGILPFGSIFIEYMFIFTSFAYKIYVYVGFMMVLVIL 360

Qy 419 -----KWMEPLIIVLGGVLPFGSIFIEYMFIFTSFAYKIYVYVGFMMVLVIL 469
Dy 419 -----KWMEPLIIVLGGVLPFGSIFIEYMFIFTSFAYKIYVYVGFMMVLVIL 469
Db 419 -----KWMEPLIIVLGGVLPFGSIFIEYMFIFTSFAYKIYVYVGFMMVLVIL 469

Qy 361 CIVTVCVTIVCTYFLLNAEDYRWQWTSFSLSAATAIYVYMFYFFKTKMYGLFOTSF 420
Dy 361 CIVTVCVTIVCTYFLLNAEDYRWQWTSFSLSAATAIYVYMFYFFKTKMYGLFOTSF 420
Db 361 CIVTVCVTIVCTYFLLNAEDYRWQWTSFSLSAATAIYVYMFYFFKTKMYGLFOTSF 420

Qy 470 TVTVCVTIVCTYFLLNAEDYRWQWTSFSLSAATAIYVYMFYFFKTKMYGLFOTSF 529
Dy 470 TVTVCVTIVCTYFLLNAEDYRWQWTSFSLSAATAIYVYMFYFFKTKMYGLFOTSF 529
Db 470 TVTVCVTIVCTYFLLNAEDYRWQWTSFSLSAATAIYVYMFYFFKTKMYGLFOTSF 529

Qy 421 YFGYMAVFTALGTWCGAI 439
Dy 421 YFGYMAVFTALGTWCGAI 439
Db 421 YFGYMAVFTALGTWCGAI 439

Qy 530 YFGYMAVFTALGTWCGAI 548
Dy 530 YFGYMAVFTALGTWCGAI 548
Db 530 YFGYMAVFTALGTWCGAI 548

RESULT 7
US-10-205-219-121
; Sequence 121, Application US/10205219
; Publication No. US20030138803A1
; GENERAL INFORMATION:
; APPLICANT: Warner-Lambert Company
; APPLICANT: Lee, Kevin
; APPLICANT: Dixon, Alistair
; APPLICANT: Brooksbank, Robert
; APPLICANT: Pincock, Robert
; TITLE OF INVENTION: Identification and Use of Molecules Implicated in Pain
; FILE REFERENCE: WL-A-018200
; CURRENT APPLICATION NUMBER: US/10/205.219
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: GB 0118354.0
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 121
; LENGTH: 530
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: EP70-P-1so
US-10-205-219-121

Query Match      65.7%; Score 1543; DB 4; Length 530;
Best Local Similarity 75.5%; Pred. No. 1.6e-141;
Matches 318; Conservative 12; Mismatches 51; Indels 40; Gaps 7;

Qy 1 MYIDLPWIGVGEADENGEDYLLWTKYLEIGFNGNRIVDVNLTSEGKVLGSKYINPD 57
Dy 1 MYIDLPWIGVGEADENGEDYLLWTKYLEIGFNGNRIVDVNLTSEGKVLGSKYINPD 57
Db 1 MYIDLPWIGVGEADENGEDYLLWTKYLEIGFNGNRIVDVNLTSEGKVLGSKYINPD 57

; LENGTH: 567
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-22278

Query Match      73.3%; Score 1719.5; DB 6; Length 567;
Best Local Similarity 71.5%; Pred. No. 9.9e-159;
Matches 314; Conservative 48; Mismatches 52; Indels 25; Gaps 1;

Qy 1 MYIDLPWIGVGEADENGEDYLLWTKYLEIGFNGNRIVDVNLTSEGKVLGSKYINPD 190
Dy 1 MYIDLPWIGVGEADENGEDYLLWTKYLEIGFNGNRIVDVNLTSEGKVLGSKYINPD 190
Db 1 MYIDLPWIGVGEADENGEDYLLWTKYLEIGFNGNRIVDVNLTSEGKVLGSKYINPD 190

Qy 135 MYIDGLPIWKGVDKYLDPSPFFQHRHWFHIFNSFMVVIPLVGLVSLMRLTKD 60
Dy 135 MYIDGLPIWKGVDKYLDPSPFFQHRHWFHIFNSFMVVIPLVGLVSLMRLTKD 60
Db 135 MYIDGLPIWKGVDKYLDPSPFFQHRHWFHIFNSFMVVIPLVGLVSLMRLTKD 60

Qy 61 SYSYVKKKSDVKFEDRDKYLDPSFFQHRHWFHIFNSFMVVIPLVGLVSLMRLTKD 120
Dy 61 SYSYVKKKSDVKFEDRDKYLDPSFFQHRHWFHIFNSFMVVIPLVGLVSLMRLTKD 120
Db 61 SYSYVKKKSDVKFEDRDKYLDPSFFQHRHWFHIFNSFMVVIPLVGLVSLMRLTKD 120

Qy 121 YARYSKEEEMDDMDRLDGEYGWKQVHGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV 180
Dy 121 YARYSKEEEMDDMDRLDGEYGWKQVHGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV 180
Db 121 YARYSKEEEMDDMDRLDGEYGWKQVHGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV 180

Qy 255 YARYSKEEEMDDMDRLDGEYGWKQVHGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV 314
Dy 255 YARYSKEEEMDDMDRLDGEYGWKQVHGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV 314
Db 255 YARYSKEEEMDDMDRLDGEYGWKQVHGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV 314

Qy 181 AMIEDLYTERGSMSTAFVYAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMVC 240
Dy 181 AMIEDLYTERGSMSTAFVYAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMVC 240
Db 181 AMIEDLYTERGSMSTAFVYAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMVC 240

Qy 315 AIVGELYTERGSMSTAFVYAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMVC 374
Dy 315 AIVGELYTERGSMSTAFVYAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMVC 374
Db 315 AIVGELYTERGSMSTAFVYAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMVC 374

Qy 241 GTAFINFIATYIYHASRAIPGTMVAVCCICFFVILPLNLVGTILGRNLSCQPNPCRVN 300
Dy 241 GTAFINFIATYIYHASRAIPGTMVAVCCICFFVILPLNLVGTILGRNLSCQPNPCRVN 300
Db 241 GTAFINFIATYIYHASRAIPGTMVAVCCICFFVILPLNLVGTILGRNLSCQPNPCRVN 300

Qy 375 GTAFINFIATYIYHASRAIPGTMVAVCCICFFVILPLNLVGTILGRNLSCQPNPCRVN 418
Dy 375 GTAFINFIATYIYHASRAIPGTMVAVCCICFFVILPLNLVGTILGRNLSCQPNPCRVN 418
Db 375 GTAFINFIATYIYHASRAIPGTMVAVCCICFFVILPLNLVGTILGRNLSCQPNPCRVN 418

Qy 301 AVPRPIPEKMFMEPAVIVCLGGILPFGSIFIEYMFIFTSFAYKIYVYVGFMMVLVIL 360
Dy 301 AVPRPIPEKMFMEPAVIVCLGGILPFGSIFIEYMFIFTSFAYKIYVYVGFMMVLVIL 360
Db 301 AVPRPIPEKMFMEPAVIVCLGGILPFGSIFIEYMFIFTSFAYKIYVYVGFMMVLVIL 360

Qy 419 -----KWMEPLIIVLGGVLPFGSIFIEYMFIFTSFAYKIYVYVGFMMVLVIL 469
Dy 419 -----KWMEPLIIVLGGVLPFGSIFIEYMFIFTSFAYKIYVYVGFMMVLVIL 469
Db 419 -----KWMEPLIIVLGGVLPFGSIFIEYMFIFTSFAYKIYVYVGFMMVLVIL 469

Qy 361 CIVTVCVTIVCTYFLLNAEDYRWQWTSFSLSAATAIYVYMFYFFKTKMYGLFOTSF 420
Dy 361 CIVTVCVTIVCTYFLLNAEDYRWQWTSFSLSAATAIYVYMFYFFKTKMYGLFOTSF 420
Db 361 CIVTVCVTIVCTYFLLNAEDYRWQWTSFSLSAATAIYVYMFYFFKTKMYGLFOTSF 420

Qy 470 TVTVCVTIVCTYFLLNAEDYRWQWTSFSLSAATAIYVYMFYFFKTKMYGLFOTSF 529
Dy 470 TVTVCVTIVCTYFLLNAEDYRWQWTSFSLSAATAIYVYMFYFFKTKMYGLFOTSF 529
Db 470 TVTVCVTIVCTYFLLNAEDYRWQWTSFSLSAATAIYVYMFYFFKTKMYGLFOTSF 529

Qy 421 YFGYMAVFTALGTWCGAI 439
Dy 421 YFGYMAVFTALGTWCGAI 439
Db 421 YFGYMAVFTALGTWCGAI 439

Qy 530 YFGYMAVFTALGTWCGAI 548
Dy 530 YFGYMAVFTALGTWCGAI 548
Db 530 YFGYMAVFTALGTWCGAI 548

RESULT 8
US-10-425-115-325471
; Sequence 325471, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425.115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 325471
; LENGTH: 596
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_598C.1.pep
US-10-425-115-325471

Query Match      61.2%; Score 1437; DB 4; Length 596;
Best Local Similarity 59.5%; Pred. No. 4.1e-131;
Matches 262; Conservative 74; Mismatches 102; Indels 2; Gaps 2;

Qy 2 YIDDLPIWIGVGEADENGEDYLLWTKYLEIGFNGNRIVDVNLTSEGKVLGSKYINPD 60
Dy 2 YIDDLPIWIGVGEADENGEDYLLWTKYLEIGFNGNRIVDVNLTSEGKVLGSKYINPD 60
Db 2 YIDDLPIWIGVGEADENGEDYLLWTKYLEIGFNGNRIVDVNLTSEGKVLGSKYINPD 60

Qy 138 FIDDLPLWGFVGSDDKNSKHYDTHKILVNDNRHIVNLTQSPKLEDDGKKLEU 197
Dy 138 FIDDLPLWGFVGSDDKNSKHYDTHKILVNDNRHIVNLTQSPKLEDDGKKLEU 197
Db 138 FIDDLPLWGFVGSDDKNSKHYDTHKILVNDNRHIVNLTQSPKLEDDGKKLEU 197

Qy 61 SYSYVKKKSDVKFEDRDKYLDPSFFQHRHWFHIFNSFMVVIPLVGLVSLMRLTKD 120
Dy 61 SYSYVKKKSDVKFEDRDKYLDPSFFQHRHWFHIFNSFMVVIPLVGLVSLMRLTKD 120
Db 61 SYSYVKKKSDVKFEDRDKYLDPSFFQHRHWFHIFNSFMVVIPLVGLVSLMRLTKD 120

Qy 198 TYSVKWVATDVSFARFEVLDYPPFBHQHWFHIFNSFMVVIPLVGLVSLMRLTKD 257
Dy 198 TYSVKWVATDVSFARFEVLDYPPFBHQHWFHIFNSFMVVIPLVGLVSLMRLTKD 257
Db 198 TYSVKWVATDVSFARFEVLDYPPFBHQHWFHIFNSFMVVIPLVGLVSLMRLTKD 257

Qy 121 YARYSKEEEMDDMDRLDGEYGWKQVHGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV 179
Dy 121 YARYSKEEEMDDMDRLDGEYGWKQVHGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV 179
Db 121 YARYSKEEEMDDMDRLDGEYGWKQVHGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV 179

Qy 258 YAKYAREDDDLSELDNEESGKLVHGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV 317
Dy 258 YAKYAREDDDLSELDNEESGKLVHGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV 317
Db 258 YAKYAREDDDLSELDNEESGKLVHGDVFRPSSHPLIFSSLGSGCOIFAVSLIIV 317

Qy 180 VAMIEDLYTERGSMSTAFVYAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMV 239
Dy 180 VAMIEDLYTERGSMSTAFVYAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMV 239
Db 180 VAMIEDLYTERGSMSTAFVYAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMV 239
```



Db 318 LAIVGMLYIGRAIITTFIVCYALTSGYVSGGLYSRGKWKAMVLTAFLPFLC 377  
QY 240 CGTAFINFIAYHASRAIPGTMVAVCCICFFVILPLNLVGTILGNLSQGNPFCRV 299  
Db 378 PSIGMLNTIAIFYSLAAIPGTMVAVCCICFFVILPLNLVGTILGNLSQGNPFCRV 437  
QY 300 NAVPRPIPEKKWFMPEPAVIVCLGGLPFGSIFEMFYFTSFYAYKYVYVYGFMMVLVI 359  
Db 438 KTIPIPEKKWYLPSPVSLGGLLPFGSIFEMFYFTSFYAYKYVYVYGFMMVLVI 497  
QY 360 LCIVTCVITVCTYFLNADRYMOWTSPLSAASTAIYVYVYFYYFPTKMYGLFOT 419  
Db 498 LLIIVTCVITVCTYFLNADRYMOWTSPLSAASTAIYVYVYFYYFPTKMYGLFOT 557  
QY 420 VFYGYMAVFTALGIMCGAI 439  
Db 558 FIFGYTLMFCLGLGILCGAV 577

RESULT 9  
US-10-425-114-66140  
; Sequence 66140, Application US/10425114  
; Publication No. US20040034888A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jingdong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E.  
; APPLICANT: Tabaska, Jack E.  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 66140  
; LENGTH: 576  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: LIB4573-008-E4\_FLI.pep  
US-10-425-114-66140

Query Match 61.2%; Score 1436; DB 4; Length 576;  
Best Local Similarity 59.2%; Pred. No. 4.9e-131; Mismatches 104; Indels 2; Gaps 2;  
Matches 261; Conservative 74;

QY 1 MYIDDLPIWIGVEADENGE-DYILWYTKLEIGFNGNRIVDVNLTSEKVKLVPTNKIQ 59  
Db 117 LPIDDLPLWGFVGETDKNEKKHYLTHKNIVVKNRRIHVNLTSQSPKLEAGKLD 176  
QY 60 MSYVKKKSDVKFEDRFKYLDPFQHRHWFISFNSFMVIFLVGLVSMILMRTLK 119  
Db 177 MTYSVKWQTNVAFARREVDYDPFQHRHWFISFNSFMVIFLVGLVSMILMRTLK 236  
QY 120 DYARYSKE-BEMDDMDRLDGEYKQVHGDVFRPSSHPLIFSSLIQSCQIFAVSLVI 178  
Db 237 DYAKYAREDDLESERDVNEESGKLVHGDVFRPQGVFLSALVIGTQLAALLVI 296  
QY 179 IVAMIEDLYTERGSMSTAIFYAATSPVNGYFGGLYARQGRWIKOMFTGAFILPAM 238  
Db 297 VLAIIVMLYVGRGAIITTFIVCYALTSPISGVSGGLYSRGKWKAMILTAFLPFL 356  
QY 239 VCGTAFINFIAYHASRAIPGTMVAVCCICFFVILPLNLVGTILGNLSQGNPFCRV 298  
Db 357 CFSIGLLNTIAIFYRSLAAIPFGTMVAVCCICFFVILPLNLVGTILGNLSQGNPFCRV 416  
QY 299 VNAVPRPIPEKKWFMPEPAVIVCLGGLPFGSIFEMFYFTSFYAYKYVYVYGFMMVLVI 358  
Db 417 VKTIPIPEKKWYLPSPVSLGGLLPFGSIFEMFYFTSFYAYKYVYVYGFMMVLVI 476  
QY 359 ILICVTCVITVCTYFLNADRYMOWTSPLSAASTAIYVYVYFYYFPTKMYGLFOT 418

Db 477 ILIIVTCVITVCTYFLNADRYMOWTSPLSAASTAIYVYVYFYYFPTKMYGLFOT 536  
QY 419 SFYGYMAVFTALGIMCGAI 439  
Db 537 SFYGYTLMFCLGLGILCGAV 557

RESULT 10  
US-10-425-115-286624  
; Sequence 286624, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 286624  
; LENGTH: 552  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_24498C.1.pep  
US-10-425-115-286624

Query Match 61.1%; Score 1435; DB 4; Length 552;  
Best Local Similarity 59.0%; Pred. No. 5.8e-131; Mismatches 104; Indels 2; Gaps 2;  
Matches 260; Conservative 75;

QY 1 MYIDDLPIWIGVEADENGE-DYILWYTKLEIGFNGNRIVDVNLTSEKVKLVPTNKIQ 59  
Db 93 LPIDDLPLWGFVGETDKNEKKHYLTHKNIVVKNRRIHVNLTSQSPKLEAGKLD 152  
QY 60 MSYVKKKSDVKFEDRFKYLDPFQHRHWFISFNSFMVIFLVGLVSMILMRTLK 119  
Db 153 MTYSVKWQTNVAFARREVDYDPFQHRHWFISFNSFMVIFLVGLVSMILMRTLK 212  
QY 120 DYARYSKE-BEMDDMDRLDGEYKQVHGDVFRPSSHPLIFSSLIQSCQIFAVSLVI 178  
Db 213 DYAKYAREDDLESERDVNEESGKLVHGDVFRPQGVFLSALVIGTQLAALLVI 272  
QY 179 IVAMIEDLYTERGSMSTAIFYAATSPVNGYFGGLYARQGRWIKOMFTGAFILPAM 238  
Db 273 VLAIIVMLYVGRGAIITTFIVCYALTSPISGVSGGLYSRGKWKAMILTAFLPFL 332  
QY 239 VCGTAFINFIAYHASRAIPGTMVAVCCICFFVILPLNLVGTILGNLSQGNPFCRV 298  
Db 333 CFSIGLLNTIAIFYRSLAAIPFGTMVAVCCICFFVILPLNLVGTILGNLSQGNPFCRV 392  
QY 299 VNAVPRPIPEKKWFMPEPAVIVCLGGLPFGSIFEMFYFTSFYAYKYVYVYGFMMVLVI 358  
Db 393 VKTIPIPEKKWYLPSPVSLGGLLPFGSIFEMFYFTSFYAYKYVYVYGFMMVLVI 452  
QY 359 ILICVTCVITVCTYFLNADRYMOWTSPLSAASTAIYVYVYFYYFPTKMYGLFOT 418  
Db 453 ILIIVTCVITVCTYFLNADRYMOWTSPLSAASTAIYVYVYFYYFPTKMYGLFOT 512  
QY 419 SFYGYMAVFTALGIMCGAI 439  
Db 513 SFYGYTLMFCLGLGILCGAV 533

RESULT 11  
US-10-767-701-44284  
; Sequence 44284, Application US/10767701  
; Publication No. US20040172684A1  
; GENERAL INFORMATION:

```

: APPLICANT: Kovalic, David K.
: APPLICANT: Zhou, Yihua
: APPLICANT: Cao, Yongwei
: TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
: TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
: FILE REFERENCE: 38-21(53535)B
: CURRENT APPLICATION NUMBER: US/10/767,701
: CURRENT FILING DATE: 2004-01-29
: NUMBER OF SEQ ID NOS: 63128
: SEQ ID NO 44284
: LENGTH: 594
: TYPE: PRT
: ORGANISM: Sorghum bicolor
: FEATURES:
: NAME/KEY: unsure
: LOCATION: (1)..(594)
: OTHER INFORMATION: unsure at all Xaa locations
: FEATURE:
: OTHER INFORMATION: Clone ID: SORBI-28MAY03-C12526_1.pep
: US-10-767-701-44284

```

Query Match	60.9%	Score 1430;	DB 4;	Length 594;
Best Local Similarity	59.3%	Pred. No. 2e-130;		
Matches 261; Conservative	74;	Mismatches 103;	Indels 2;	Gaps 2;

```

RESULT 12
US-10-425-115-325582
; Sequence 325582, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
;

```

```

; SEQ ID NO 325582
; LENGTH: 595
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(595)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_599C.1.pep
US-10-425-115-325582

      Query Match      60.9%; Score 1428.5; DB 4; Length 595;
      Best Local Similarity 59.4%; Pred. No. 2.7e-130;
      Matches 262; Conservative 73; Mismatches 103; Indels 3; Gaps 3

Qy      2 YIDLPITWIGVEADENGED-YYLWTYVKKLEIGFNGNRIVDVNLTSEGKVLVPNTKIOM 60
Db      136 FIDDLPLWGFGEYDKNSENKHLYLTHKNILVKYNDNRIIHVNLTQSPPTLLEDGKKLE 195

Qy      61 SYSVKWKKSDVKP-EDRFDKYLDPSFQOIRIHWPSIFNSFMVYFLVGLVSMILMRTLTK 119
Db      196 TYSVKWYATDVSFARXRFVYLDYPFPEFHQIHWFSIFNSFMVYFLTGLVSMILMRTLNR 255

Qy      120 DYARYSKE-BEMDDMDRLDGEYGWKQVHGVDPRPSSHPLIFSSLTGSGCOIFAVSLVI 178
Db      256 DYAKAREDDDDLESLEDVNEESGWKLVBGVDVFPQPSLMFLSALVIGIGTQALAILVI 315

Qy      179 IVAMIEDLYTERGSMLSATIFVYAATSPVNGYFGSLYARQGGRRWIKQMFIGAFLIPAM 238
Db      316 VLATVGMLYIGCGAIIITTFIVCYALTFSISGVSGGLYSRNGGKNWIKAMVLTASLFPFL 375

Qy      239 VCGTAPRFINFATVYHASRAIPGTMVAVCCICFFVILPLNLVCTILGRNLSGQNPPCR 298
Db      376 CFSIGFALNTIAIFRSLAIPGTMVVMFVLWAFISFPLVLLGTVVGRNWSGAPNPNPCR 435

Qy      299 VNAVPRPIPEKKWFMPEAVICLGGILPFGSIFTEMYFIETSPWAYKIYVYVGFMLVLV 358
Db      436 VKTIPIRPIPEKKWYLTDSVLSLGGLLPFGSIFTEMYFVETSPWNKYVYVYVGFMLLVFV 495

Qy      359 ILCITVVCVTIVCTYFLLNNAEDRYWQWTSFLSRASTAIYYVMYSFYFFKTKMVGLPQT 418
Db      496 ILLVITLCVTIVGTYFLNNAENTHWQWTSFSSAASTALYVLYSIYYHVTKRMSGFPQT 555

Qy      419 SFYFGYNMAVFSTALGIMCGAI 439
Db      556 SFYFGYTLMFCLGILCGAI 576

```

```

RESULT 13
US-10-437-963-141888
; Sequence 141888, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 141888
; LENGTH: 617
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:

```

[illegible]

```

Db      317 LAIVGMLYVGRGAIITFFIVCYALTSPISYVSAGLYSRNGKNWKAMILTASLFPFLH 376
       : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Cv      240 CCTAETNEFIALVVHASDAIDECTMWAVCCICEVIIINLVCTILGNISGONNEDCV 299

```

[illegible]

Db	377	FAIGFALNTIAIFYGSLAAIPFGTMMVIFVLWAFISPLVLLGTVVGRNWSGAPNNPCRV	436
Qy	300	NAVRPIPEKKWFMEPAVIVCLGILPFGSIFIEMYFTFSFWAYKIYVVYGFMMVLVI	359
Db	437	KTIPRPIPERKWLTPSVISLMGGLPFGSIFIEMYFVFTSFWNKYVVYVGFMLLVFI	496
Qy	360	LCIVTVCTIIVCTYFLLNAEDYRWQWTSFLSAASTAIYVVMYSFYFFKTKMYGLFQTS	419
Db	497	LLIVTICVTIIVGTYFLLNAENYHWQWTSFFSAASTALYVLYSIYYHVTKMSGFFQTS	556
Qy	420	FYFGYMAVFSTALGIMCGAI	439
Db	557	FYFGYTLMFCLGILCGAI	576

Search completed: December 7, 2005, 13:01:56  
Job time : 98.4502 secs

GenCore version 5.1.6  
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OM protein. - protein search, using sw model

Run on: December 7, 2005, 12:43:22 ; Search time 6.05517 Seconds  
(without alignments)  
404.871 Million cell updates/sec

Title: US-09-319-724B-1

Perfect score: 2347

Sequence: 1 MYIDPLPIWIGVEADNGE.....FVFGYMAVFSTALGIMCGAI 439

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 32527 seqs, 5584426 residues

Total number of hits satisfying chosen parameters: 32527

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA New:\*

- 1: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*
- 2: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*
- 5: /cgn2\_6/ptodata/2/pubpaa/ECT\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*
- 7: /cgn2\_6/ptodata/2/pubpaa/US11\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	178.5	7.6	114	6 US-10-821-234-1140	Sequence 1140, Ap
2	109	4.6	468	6 US-10-793-626-868	Sequence 868, App
3	109	4.6	468	6 US-10-793-626-1618	Sequence 1618, Ap
4	104	4.4	368	7 US-11-082-389-320	Sequence 320, App
5	102.5	4.4	433	7 US-11-082-389-332	Sequence 332, App
6	94.5	4.0	538	7 US-11-119-683-1	Sequence 1, Appli
7	94	4.0	553	7 US-11-090-439-18	Sequence 18, Appl
8	93.5	4.0	407	6 US-10-821-234-1389	Sequence 1389, Ap
9	93.5	4.0	464	6 US-10-689-742-164	Sequence 164, App
10	90.5	3.9	506	6 US-10-485-517-344	Sequence 344, App
11	89.5	3.8	412	6 US-10-793-626-368	Sequence 368, App
12	88	3.7	275	6 US-10-467-657-2242	Sequence 2242, Ap
13	88	3.7	541	6 US-10-131-826A-14	Sequence 14, Appl
14	86	3.7	302	6 US-10-858-730-119	Sequence 119, App
15	86	3.7	346	6 US-10-793-626-504	Sequence 504, App
16	86	3.7	383	6 US-10-793-626-2026	Sequence 2026, Ap
17	85.5	3.6	266	7 US-11-102-240-2	Sequence 2, Appli
18	85.5	3.6	456	7 US-11-074-176-238	Sequence 238, App
19	84.5	3.6	465	6 US-10-793-626-2928	Sequence 2928, Ap
20	84	3.6	538	6 US-10-793-626-3134	Sequence 3134, Ap
21	84	3.6	635	6 US-10-821-234-1673	Sequence 1673, Ap
22	82	3.5	350	6 US-10-485-517-288	Sequence 288, App
23	82	3.5	513	6 US-10-858-730-197	Sequence 197, App
24	82	3.5	771	7 US-11-147-047-34	Sequence 34, Appl
25	81.5	3.5	485	6 US-10-821-234-934	Sequence 934, App

26	81.5	3.5	501	7 US-11-055-822-52	Sequence 52, Appl
27	80	3.4	312	6 US-10-858-730-117	Sequence 117, App
28	80	3.4	391	6 US-10-793-626-1236	Sequence 1236, Ap
29	80	3.4	422	6 US-10-793-626-1910	Sequence 1910, Ap
30	79.5	3.4	411	7 US-11-092-140-98	Sequence 98, Appl
31	79.5	3.4	564	7 US-10-485-517-253	Sequence 253, Appl
32	79.5	3.4	564	6 US-10-485-517-290	Sequence 290, App
33	79	3.4	342	6 US-10-793-626-2854	Sequence 2854, Ap
34	79	3.4	352	7 US-11-068-686-20	Sequence 20, Appl
35	79	3.4	390	6 US-10-485-517-331	Sequence 331, App
36	79	3.4	502	7 US-11-113-424-65	Sequence 65, Appl
37	79	3.4	502	7 US-11-113-424-66	Sequence 66, Appl
38	79	3.4	502	7 US-11-113-424-67	Sequence 67, Appl
39	78.5	3.3	394	6 US-10-392-234A-46	Sequence 46, Appl
40	78.5	3.3	2333	7 US-11-096-281-13	Sequence 13, Appl
41	78	3.3	501	7 US-11-113-424-68	Sequence 68, Appl
42	77.5	3.3	508	7 US-11-082-389-178	Sequence 178, App
43	77	3.3	237	6 US-10-793-626-2994	Sequence 2994, Ap
44	77	3.3	337	6 US-10-793-626-444	Sequence 444, App
45	77	3.3	433	6 US-10-467-657-3214	Sequence 3214, Ap

#### ALIGNMENTS

RESULT 1  
US-10-821-234-1140  
; Sequence 1140, Application US/10821234  
; Publication No. US20050255114A1  
; GENERAL INFORMATION:  
; APPLICANT: Labat, Ivan  
; APPLICANT: Stache-Crain, Birgit  
; APPLICANT: Andarmani, Susan  
; APPLICANT: Tang, Y. Tom  
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia  
; FILE REFERENCE: 821A  
; CURRENT APPLICATION NUMBER: US/10/821,234  
; PRIOR FILING DATE: 2004-04-07  
; PRIOR APPLICATION NUMBER: US 60/462,047  
; PRIOR FILING DATE: 2003-04-07  
; NUMBER OF SEQ ID NOS: 1704  
; SOFTWARE: pt\_seq\_genes Version 1.0  
; SEQ ID NO 1140  
; LENGTH: 114  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-821-234-1140

Query Match 7.6%; Score 178.5; DB 6; Length 114;  
Best Local Similarity 39.8%; Pred No. 2,1e-09;  
Matches 35; Conservative 15; Mismatches 35; Indels 3; Gaps 1;  
QY 352 FMMLVILICIVTCVITVCTYFLNADYRWQWTSFLSAASTAIYVVMYSFYFFKTK 411  
Db 11 FVLIILVITCSE---ATILLCYFLCADSYHWQWRSFLTSGTAVVFLIYAVHYFFSKLR 67  
QY 412 MYGLFQTSFYGYGMAVFSTALGIMCGAI 439  
Db 68 ITGTASTILYFGYTWMTWMIFFLFTGTI 95

RESULT 2  
US-10-793-626-868  
; Sequence 868, Application US/10793626  
; Publication No. US20050255478A1  
; GENERAL INFORMATION:  
; APPLICANT: KIMMERLY, WILLIAM JOHN  
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS  
; FILE REFERENCE: PUS480US  
; CURRENT APPLICATION NUMBER: US/10/793,626  
; CURRENT FILING DATE: 2004-03-04  
; PRIOR APPLICATION NUMBER: 60/164,258  
; PRIOR FILING DATE: 1999-11-09



Db 107 EQSHVNGVIDSIAGS-----AAGQGVAVGVITLMT-----SSAYVRAFGRCAN- 154  
 QY 210 YEGSLYARQGGRRWIKOMFIGAFILPAMVCGTAFPIAFIAIYHSHRAIPGTWVAVCC 269  
 Db 155 -----AVYGRSEGRTLIKRWMLLFLNALLLG-----IILVSVNLNETLWGIAPIA- 205  
 QY 270 ICFFVILPLNLVGTILGRNLSQP-----NPCRNVAV-----PRPIPKKWM 313  
 Db 206 -----EPLHLTNVLSFLTDREMPIWVRFPVIVGVLMFVATLYWAPNAPKFRWL 259  
 QY 314 EBAIVCLGGLPFGSIRFIEMFIETSWAYKIYVYVGFMMVLVILCIVTVCVTI 369  
 Db 260 SLGSLAIVGILLAG---VGLNFYFTLFAAFSSYGAUGSLLAVALWVFNCLII 312

RESULT 5

US-11-082-389-332  
 ; Sequence 332, Application US/11082389  
 ; Publication No. US20050244935A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Pompejus, Markus  
 ; APPLICANT: Kroger, Burkhard  
 ; APPLICANT: Schroder, Hartwig  
 ; APPLICANT: Zelder, Oskar  
 ; APPLICANT: Haberhauer, Gregor  
 ; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS  
 ; TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE  
 ; FILE REFERENCE: BGI-131CPCN  
 ; CURRENT APPLICATION NUMBER: US/11/082,389  
 ; CURRENT FILING DATE: 2005-03-16  
 ; PRIOR APPLICATION NUMBER: US 09/603024  
 ; PRIOR FILING DATE: 2000-06-23  
 ; PRIOR APPLICATION NUMBER: US 60/141031  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: US 60/143262  
 ; PRIOR FILING DATE: 1999-07-09  
 ; PRIOR APPLICATION NUMBER: US 60/151281  
 ; PRIOR FILING DATE: 1999-08-27  
 ; PRIOR APPLICATION NUMBER: DE 19930487.4  
 ; PRIOR FILING DATE: 1998-07-01  
 ; PRIOR APPLICATION NUMBER: DE 19930489.0  
 ; PRIOR FILING DATE: 1999-07-01  
 ; PRIOR APPLICATION NUMBER: DE 19931549.3  
 ; PRIOR FILING DATE: 1999-07-08  
 ; PRIOR APPLICATION NUMBER: DE 19931550.7  
 ; PRIOR FILING DATE: 1999-07-08  
 ; PRIOR APPLICATION NUMBER: DE 19932134.5  
 ; PRIOR FILING DATE: 1999-07-09  
 ; PRIOR APPLICATION NUMBER: DE 19941379.7  
 ; PRIOR FILING DATE: 1999-08-31  
 ; Remaining Prior Application data removed - See File Wrapper or PALM.  
 ; NUMBER OF SEQ ID NOS: 446  
 ; SEQ ID NO 332  
 ; LENGTH: 433  
 ; TYPE: PRT  
 ; ORGANISM: Corynebacterium glutamicum  
 US-11-082-389-332

Query Match 4.4%; Score 102.5; DB 7; Length 433;  
 Best Local Similarity 19.5%; Pred. No. 0.049;  
 Matches 70; Conservative 53; Mismatches 135; Indels 101; Gaps 17;  
 QY 158 LIFSLIGSGCOIFAVSLIIVAMI-EDLYTERGSMSTAIFVVAATSPVNGYE--GG 213  
 Db 19 VLLGSLSGSVIEWFDFLYGTVAALVFNKMYPPSGNEFLSTILAYASF-LTFFRPIRG 77  
 QY 214 SLYARQG---GRRWIKOMFIGAFILPAMVCGTAFPIAFIAI----- 251  
 Db 78 VIFAHIGRIGRK--KTLFITLMLMGCGTVAIGLLPDYNAIGIWAIPILLMFLRILOGIGI 135  
 QY 252 -----YYHASR-----AIP-----FGTMVAVCCICFFVILP----- 277

Db 136 GGEWGALLLAYEAPKKQKGLYGAVPQMGISGLMLLAAGVISLTLMPEDQFLTGWGRI 195  
 QY 278 -----LNLVGTILGRNLSQPNPPCRV-----NAVPRPIPE---KKWFMBPAVIVCLGG 323  
 Db 196 PFVGSILLVFTGLFIRNGLDETPEPK-RIRDSGQQQKMPLEKVLTKYW---PAVLVSIGA 251  
 QY 324 -ILPFGSIFIEMYFIPTSFWAYKIYVYVGFMMVLVILCIVTVCVTIYCTYP--LLNABD 380  
 Db 252 KAAETGPPYI-----FGYIYVAYATNFIENIRDNIVLLAVACAALVATIMPLFGSPS 303  
 QY 381 YRWQWTSLSAASATAIYVMTSYFYFFPKTKMYGLFQTSFYFGYMANVSTALGIMCGAI 439  
 Db 304 DRVNRAVLYRICASATIVLIPYVYLVLTNGTBIWALFITTV-----IGFGILWGSV 353

RESULT 6

US-11-119-683-1  
 ; Sequence 1, Application US/11119683  
 ; Publication No. US20050262598A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Gaxiola, Roberto A.  
 ; APPLICANT: Fink, Gerald R.  
 ; APPLICANT: Alper, Seth L.  
 ; TITLE OF INVENTION: Proton Transporters And Uses In Plants  
 ; FILE REFERENCE: 0399.2004-002  
 ; CURRENT APPLICATION NUMBER: US/11/119,683  
 ; CURRENT FILING DATE: 2005-05-02  
 ; PRIOR APPLICATION NUMBER: US/09/834,998  
 ; PRIOR FILING DATE: 2001-04-13  
 ; PRIOR APPLICATION NUMBER: US 09/644,039  
 ; PRIOR FILING DATE: 2000-08-22  
 ; PRIOR APPLICATION NUMBER: US 60/164,808  
 ; PRIOR FILING DATE: 1999-11-10  
 ; NUMBER OF SEQ ID NOS: 5  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 1  
 ; LENGTH: 538  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Arabidopsis - ACNhx1  
 US-11-119-683-1

Query Match 4.0%; Score 94.5; DB 7; Length 538;  
 Best Local Similarity 20.2%; Pred. No. 0.32;  
 Matches 73; Conservative 47; Mismatches 132; Indels 109; Gaps 16;  
 QY 74 EDKFDKYLDPSPF-----FQHRHWFSPNSPMVIFVLGVLSMILMRT-LRKDYARYSKE 127  
 Db 79 EDLFFVILLPPIIFNAGFQVKKQF--PRNF-VTLMFGAVGTIISCTIISLGVTFQFFK- 134  
 QY 128 EEMDDMRDLGDEYGWKQVHG-----DVFPRSSHPLIFSSLIGSCQIFAVSLIVII 179  
 Db 135 -KLDIGTFDLGDLAIGAFAATDSVCTLQVLNODETELLSLVFEGEVANDATSVVFN 193  
 QY 180 VAMIEDL-----YTERGSMSTAIFVY-----AATSPVNGVFGGSLY-ARQGGRRWIKQ 227  
 Db 194 AIQSFDLTHLNHEAAPHLLGNFLYLFLSTLLGATGLISAYVKKLYFGRHSTREVAL 253  
 QY 228 MFIGAFLIPAM-----VCG--TAPFINFIAIY-----HASRAIPF----- 261  
 Db 254 MMLMAYLSYMLAELFDLSGILTVFCGIVMSHYTHWNVTSRITTKTKHTFATLSLAETFF 313  
 QY 262 -----GTMVAVCCICFFVIL----- 291  
 Db 314 IFLYVGMDALDIDKWRVSVDTPGTSTIAVSSILMGLVMVGRAAFVFPPLSLNLAKKNQSE 373  
 QY 292 QPNPPCRV-----NAVPRPIPEKKW-----FMEPAVIVCLGGLTPFGS 329  
 Db 374 KINFNMQVVIWWSGLMRCAVSMALAYNKFTTAGHTDVRGNAIMTSTITVCLFSTIVFGM 433  
 QY 330 I 330

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Db 434 L 434
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1389
; LENGTH: 407
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1389

Query Match 4.0%; Score 93.5; DB 6; Length 407;
Best Local Similarity 21.5%; Pred. No. 0.28; Mismatches 32; Indels 117; Gaps 15;
Matches 59; Conservative 32; Mismatches 67; Indels 117; Gaps 15;

Qy 224 WIKOMFIGAFLIPAMVCGTAFINFAIYYHASRAIPFGTWMVAVCCICFFVI-----275
Db 161 WTK-FCGA-LRPLKIVMGIFFI-----LVAL-----LFVISLFLSLND 196
Qy 276 LPLNLVG-----TILGRNLGQPNFPCRVNAVPRPIPEKKWFMEPAVICLGGILPFGSI 330
Db 197 KALHSAGIDSGFIIFGANLSNPLNM-----LPLQLQTVFPLDYI 235
Qy 331 FIE---MYFIFTS-----FW--AYKI-----YYVVGFMMLVLILCIVTVC 366
Db 236 LITIIIMYFIFTSWAGIRNIGIWFFFWIRLKIRGRTRPOALLFLCMLLIVLHYSYMI 295
Qy 367 VTIVCTYFLNADY-----RWQWTSFLSAAS-----TAIYYVYMSFY 404
Db 296 YSLAPQVVMYGSQNYLIETNITSDNHKGNSTLSVPKRCDDADAPEDQCTVTRTYLFLHKFW 355
Qy 405 YYFEKTMWGLFOTSFYFG---YMAVFSTALGIMC 436
Db 356 F-----FSAAYYFGNWAFLGVFLIGLIVSC 380

RESULT 9
US-10-689-742-164
; Sequence 164, Application US/10689742
; Publication No. US20050250180A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M
; APPLICANT: LaVallie, Edward R
; APPLICANT: Racine, Lisa A
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Spaulding, Vikki
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: 00766.000091.10
; CURRENT APPLICATION NUMBER: US/10/689,742
; CURRENT FILING DATE: 2003-10-22
; PRIOR APPLICATION NUMBER: 09/746,783
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 231
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 164
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-689-742-164

Query Match 4.0%; Score 93.5; DB 6; Length 464;
Best Local Similarity 21.5%; Pred. No. 0.33;
Matches 59; Conservative 32; Mismatches 67; Indels 117; Gaps 15;

Qy 224 WIKOMFIGAFLIPAMVCGTAFINFAIYYHASRAIPFGTWMVAVCCICFFVI-----275
Db 221 WTK-FCGA-LRPLKIVMGIFFI-----LVAL-----LFVISLFLSLND 256
Qy 276 LPLNLVG-----TILGRNLGQPNFPCRVNAVPRPIPEKKWFMEPAVICLGGILPFGSI 330
Db 257 KALHSAGIDSGFIIFGANLSNPLNM-----LPLQLQTVFPLDYI 295
Qy 331 FIE---MYFIFTS-----FW--AYKI-----YYVVGFMMLVLILCIVTVC 366

Db 434 L 434
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1389
; LENGTH: 407
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1389

Query Match 4.0%; Score 94; DB 7; Length 553;
Best Local Similarity 16.2%; Pred. No. 0.37;
Matches 59; Conservative 49; Mismatches 107; Indels 150; Gaps 12;

Qy 43 NLTSEGVKLVNPTKIQMSYSVKWKSVDKPEDRFDKYLDPSFPOHRIHWFSPNSPMV 102
Db 249 NKAHSGRIKISLNDISIRECKDHVS-----GSIQKNTHYMMIFDAFVIL 294
Qy 103 IFVLGLV-----SMILMRTLKDYA-----RYSKEEEMDDMDRDLGDEYGMKVQVHGDVFRP 153
Db 295 TCLVSLILCIRSVIRGLQLOQEFNFFLLHYKKVSVSDQMEFVN---GW-----341
Qy 154 SSHPLFSSLGSCQIFAVSLIIVIAMIEDLYTERGSMNSTAIFVYAATSPVNGYFGG 213
Db 342 -----YIMIIISDILTIIGSILKMBEIQAKSLTS-----369
Qy 214 SLYARQGRRWIKOMFIGAFLIPAMVCGTA-----FFINFAIYYHASRAIP 260
Db 370 -----YDVCISILGISTMLVNLGVIRYLGFFAKYNLLILTLQAALP 410
Qy 261 FGTWAVVC-----CICFFVIL-----PLNLVGTILGRNLGQPNFPCRVNAVPR 304
Db 411 NVIRFCCCAMIYLGCFCEGWIVLGPYHDKFSLNMVSECLFSLINGDDMF-----461
Qy 305 PIPEKKWFMEPAVICLGGILPFGSIFIEMFYIFTSFWAYKIYYVYGFMMML-VLVLICIV 363
Db 462 -----ATFAKMQKSVLV---WLFSSRIYLYSFISLFIWMILSLF 497
Qy 364 TVCVT 168
Db 498 IALIT 502

RESULT 8
US-10-821-234-1389
; Sequence 1389, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
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Db 296 LITIIIMYFIFSMAGIRNIGWIFWIRLYKIRGRTRPQALLFLCMILLIVLHTSYMI 355
Qy 367 VTIVCTYFLNADY-----RWQWTSLSAAS-----TAYVYVMSFY 404
Db 356 YSLAPQYVWGQVLIENITSDNHKGNSTLSVFKRCADAPEDQCTVTRTYLFLHFW 415
Qy 405 YFFKTKMYGLFQTSFYFG---YMAVFSTALGIMC 436
Db 416 F-----FSAAYFCNWAFLGVFLGLIVSC 440

RESULT 10
US-10-485-517-344
; Sequence 344, Application US/10485517
; Publication No. US20050256299A1
; GENERAL INFORMATION:
; APPLICANT: University of Sheffield
; APPLICANT: Biosynexus Incorporated
; APPLICANT: Poster, Simon
; APPLICANT: Mond, James
; TITLE OF INVENTION: Antigenic Polypeptides
; FILE REFERENCE: P100629WO
; CURRENT APPLICATION NUMBER: US/10/485,517
; PRIOR FILING DATE: 2004-02-02
; PRIOR APPLICATION NUMBER: GB 0118825.9
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: GB 0200349.9
; PRIOR FILING DATE: 2002-01-09
; NUMBER OF SEQ ID NOS: 424
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 344
; LENGTH: 506
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
; US-10-485-517-344

Query Match 3.9%; Score 90.5; DB 6; Length 506;
Best Local Similarity 18.6%; Pred. No. 0.67;
Matches 69; Conservative 52; Mismatches 125; Indels 125; Gaps 15;

Qy 125 SKEEMDDMDRLDGEYGWKQVHGDV-----FRPSHPLIFSLIGSGCQIFAV 173
Db 17 NKQIDRGDLKQNLSEKFWAIAAYSCIGWAFILPGDWIKQSGPIAAS-----IGIVIGAL 72
Qy 174 SLIVIV---AMIEDLYTERG---SMLSTAIFV-----YAATSPVNG----- 209
Db 73 LMILIAVSYGALVERFPVSGGAFASFSLFGRYVSFFSWFLTFGVCVWALNATAFSL 132
Qy 210 -----YFGSLYARQGRWIKQMFAGLIPAMVCGTAFFINFIAIYVHASRAIPF 261
Db 133 VKFLPDVLNNGKLYTIAGWDVYITEIIATVLLVFLVLT-----IRGASVS 180
Qy 262 GTMAVCCICFFVILPLNLVGTILGRNLGGQNFPCRVNAVPRPIPEKKWFMPEAVIYVCL 321
Db 181 GSOYQYFCVAMVIVLLMFFGSGFNGFALE-----NLQPLAEPKGLVSIWIV-- 231
Qy 322 GGLPFGSIFIMYFIFTSFAYKYYVYVGMVLVILCVTCVTCVTCYFLLNADY 381
Db 212 -SVAP-----WAY-----VGFNDIP-----QTAEF 251
Qy 382 RWQWT-----SFLSAASTAIYVYMSFYVFPKTKMYG-----LFQTSFYFGYMA 426
Db 252 NFAPNKTFLIVSLLAASLTIVVMILYTGWLSHQSLNQLWLTGAVTQTA--FGIIG 309
Qy 427 VFSTALGIMCG 437
Db 310 LGVLAIAIMMG 320

RESULT 11
US-10-793-626-368
; Sequence 368, Application US/10793626

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; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMBERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: P034800S
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: Patent in ver. 2.1
; SEQ ID NO 368
; LENGTH: 412
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-368

Query Match 3.8%; Score 89.5; DB 6; Length 412;
Best Local Similarity 21.1%; Pred. No. 0.63;
Matches 59; Conservative 42; Mismatches 83; Indels 95; Gaps 14;

Qy 95 IFNSFMVIFLVGLVSMILMRTLKRDYARYSKKEEMDDMDRLDGEYGWKQVHGDVFRPS 154
Db 196 ILGSLIIVLVAFLVAVLVGMFH--YSQYA-----DNAEPVGM-----ALRES 237
Qy 155 SHPLIFSLIGSGCQIFAVSLIIVAMIEDLYTERGSMSTAIYVYAATSPVNGYFQGS 214
Db 238 GRGII-----AAIVQAISVIGMFTALI-----GNMLAGSRLLYS----- 271
Qy 215 LYARQG-GRRWIKOM-----FIGAPLIPAMVCGTAFFINFIAIYVHASRAIPFGTMY 265
Db 272 -FGRDGLLPSWLSQNLHKLPLNRALVILTIIGWIGSMPFAFLA-----QLISAGTLV 324
Qy 266 AVCCICFFVILPLNLVGTILGRNLGGQNFPCRVNAVPRPIPEKKWFMPEAVIYVCLGGL 325
Db 325 AP-----MFVSLAMYRLRKRECKDL-----PKPEFKLPLYP-----IL 357
Qy 326 PFGSIFIMYFIFTSFAY-----KIYVYVGMVLVIL 360
Db 358 P-----AITFILVLLVFWGLSFEAKLYTLIWFIVGIIIVL 392

RESULT 12
US-10-467-657-2242
; Sequence 2242, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON Spa
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 2242
; LENGTH: 275
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2242

Query Match 3.7%; Score 88; DB 6; Length 275;
Best Local Similarity 22.2%; Pred. No. 0.52;
Matches 37; Conservative 26; Mismatches 58; Indels 46; Gaps 8;

```



Db 111 LSPLFIVLGTLLFKRE-----LPLRTDLIAFAVSLGVLFAITKGNHIEL 155  
Qy 258 AIPFGTMV-----AVCCICFFVLPLNLV-----GTILGRNLSGQPNFPCRVNAV 302  
Db 156 AIPMDALVWGILSGVTAALYVVLPRKIVAENSPPVILGWGTILGILFN-----L 205  
Qy 303 PRPIPEKKWF---MEPAVIVCLGGILPFGSIFIEMYFIETSFWAYKIYVYVGFMMVLV 358  
Db 206 YHPI---WIGAPKITPILVTSIGAILVIGLIFAFSLHLSLOYA-----PSAVVS 252  
Qy 359 ILCIVTVCTVITVYFLNAEDYRWQWTSFLSAASTAIYVVMYSFY 404  
Db 253 IVDVQPVVTFVLSIIFLGLO---VTWVEILGSLVLVIAIVILQY 295

RESULT 15

US-10-793-626-504  
; Sequence 504, Application US/10793626  
; Publication No. US20050255478A1  
; GENERAL INFORMATION:  
; APPLICANT: KIMMERLY, WILLIAM JOHN  
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS  
; FILE REFERENCE: PUS3480US  
; CURRENT APPLICATION NUMBER: US/10/793,626  
; CURRENT FILING DATE: 2004-03-04  
; PRIOR APPLICATION NUMBER: 60/164,258  
; PRIOR FILING DATE: 1999-11-09  
; NUMBER OF SEQ ID NOS: 4472  
; SOFTWARE: Patent In Ver. 2.1  
; SEQ ID NO 504  
; LENGTH: 346  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: synthetic  
; OTHER INFORMATION: amino acid sequence  
US-10-793-626-504

Query Match 3.7%; Score 86; DB 6; Length 346;  
Best Local Similarity 20.3%; Pred. No. 1;  
Matches 68; Conservative 54; Mismatches 123; Indels 90; Gaps 16;  
Qy 149 DVERPSSHPL-----IFSSLIGSCQIFAVSLIIVIAMIEDLY-TERG 191  
Db 24 EVFLMSSYCLLVIGTKIQLQETIKYILNVVSSFFVGVAVLYSVVGTNLNAHISERL 83  
Qy 192 SMLST-----AIFVYAATSPVNGYFGSGSLYAROGGRRWIKQMFICAFILIPAMV 239  
Db 84 SOLSVHDSGLNIVFILFVFPATKA---GVF--PMYV-----WLP---GAYVAPPVA 128  
Qy 240 CGTAP--FINFIAIYYHA-SRAIPGTMVAVCCICFFVLPLNLVGTILGRNLSGQPNFP 296  
Db 129 IITFFGALLTKGVVYAIARTLSLFFNTVS---FSHYVILFLALITIFG----- 175  
Qy 297 CRVNAVPRPIPEKKWFMEPAVIVCLGGILPFGSIFIEMYFIETSFWAYKIYVYVGFMMVLV 356  
Db 176 C-IGAIA-----YDTKKIILYINIAVGVILVGLIAMNESGMTGAIYYTLHDMLVK 226  
Qy 357 LVILCIVTVCTVICT-----YFLNADYRWQWTSFLSAASTAIYVVMYSFY 404  
Db 227 ASLFLILGVMYKITKTDLRHFGGLIKGYPILG-----WTFIAALSLAGIPFPGFY 279  
Qy 405 YFFKTRMYGLFQTSFYFGYNAVSTALGIMCGAI 439  
Db 280 GKFIYIV--ATPEKGYLSGIIVLLSSILVLYSVI 312

Search completed: December 7, 2005, 13:02:15  
Job time : 8.05517 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: December 7, 2005, 12:30:31 ; Search time 28.5458 seconds  
(without alignments)  
1271.452 Million cell updates/sec

Title: US-09-319-724B-1  
Perfect score: 2347  
Sequence: 1 MYIDDLPIWGIVEADENGE.....FYFGYMAVFSTALGIMCGAI 439

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
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2: /cgn2\_6/prodata/1/aaa/6 COMB.pep.\*  
3: /cgn2\_6/prodata/1/aaa/H COMB.pep.\*  
4: /cgn2\_6/prodata/1/aaa/PCUTUS\_COMB.pep.\*  
5: /cgn2\_6/prodata/1/aaa/RE\_COMB.pep.\*  
6: /cgn2\_6/prodata/1/aaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2347	100.0	579	2	US-09-786-681A-4
2	2347	100.0	582	2	US-09-786-681A-2
3	1107	47.2	257	2	US-09-270-767-32308
4	842.5	35.9	625	2	US-08-959-004-10
5	746.5	31.8	663	2	US-08-959-004-5
6	746.5	31.8	676	2	US-09-949-016-9494
7	741.5	31.6	573	2	US-10-104-047-3669
8	603	25.7	667	2	US-08-959-004-11
9	546	23.3	133	2	US-09-270-767-44213
10	546	23.3	133	2	US-09-270-767-59636
11	419	17.9	241	2	US-09-248-796A-20311
12	364	15.5	87	2	US-09-513-999C-7785
13	159	6.8	218	2	US-09-270-767-46281
14	135	5.8	111	2	US-09-513-999C-7579
15	127	5.4	574	2	US-09-107-433-3877
16	127	5.4	605	2	US-09-583-110-4773
17	120.5	5.1	513	2	US-09-543-681A-8279
18	118.5	5.0	496	2	US-09-134-001C-3703
19	115	4.9	502	2	US-09-328-352-6968
20	109	4.6	468	2	US-09-710-279-868
21	109	4.6	468	2	US-09-710-279-1618
22	108.5	4.6	584	2	US-09-693-746-22
23	107.5	4.6	408	1	US-08-742-440A-6
24	107	4.6	353	2	US-09-576-160B-6
25	106	4.5	237	2	US-09-134-001C-3057
26	106	4.5	1681	2	US-09-920-653B-3
27	105	4.5	504	2	US-09-489-039A-8489

28	104.5	4.5	445	2	US-09-605-703B-72	Sequence 72, Appl
29	104	4.4	511	2	US-09-107-532A-6112	Sequence 6112, Ap
30	103	4.4	822	2	US-09-824-734-3	Sequence 3, Appli
31	102.5	4.4	402	2	US-09-270-767-35644	Sequence 35644, A
32	102.5	4.4	402	2	US-09-270-767-50861	Sequence 50861, A
33	101.5	4.3	2938	4	PCT-US94-00198-3	Sequence 3, Appli
34	101.5	4.3	3092	2	US-09-487-558B-172	Sequence 172, App
35	101	4.3	453	1	US-08-439-131A-5	Sequence 5, Appli
36	101	4.3	453	1	US-08-440-674-4	Sequence 4, Appli
37	101	4.3	453	2	US-08-879-337-6	Sequence 6, Appli
38	98.5	4.2	265	2	US-09-134-000C-5847	Sequence 5847, Ap
39	98.5	4.2	305	2	US-09-583-110-3512	Sequence 3512, Ap
40	97.5	4.2	436	2	US-09-949-016-11448	Sequence 11448, A
41	97.5	4.2	470	1	US-08-724-394A-10	Sequence 10, Appli
42	97	4.1	549	2	US-09-115-150-4	Sequence 4, Appli
43	97	4.1	592	2	US-09-949-016-6953	Sequence 6953, Ap
44	97	4.1	609	2	US-09-949-016-8961	Sequence 8961, Ap
45	97	4.1	609	2	US-09-949-016-8962	Sequence 8962, Ap

ALIGNMENTS

RESULT 1

US-09-786-681A-4  
; Sequence 4, Application US/09786681A  
; Patent No. 6692926  
; GENERAL INFORMATION:  
; APPLICANT: HIDAKA, Jun et al.  
; TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING I  
; FILE OF INVENTION: BINDING ACTIVITIES, AND THEIR USES  
; FILE REFERENCE: 0020-4827P  
; CURRENT APPLICATION NUMBER: US/09/786,681A  
; CURRENT FILING DATE: 2001-01-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4  
; LENGTH: 579  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-786-681A-4

Query Match 100.0%; Score 2347; DB 2; Length 579;  
Best Local Similarity 100.0%; Pred. No. 9.4e-207;  
Matches 439; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MYIDDLPIWGIVEADENGE	YLLWYTKKLEIFGNGNRIVDVNLTSEGVKLVNPNTKIOM	60
DB	122	MYIDDLPIWGIVEADENGE	YLLWYTKKLEIFGNGNRIVDVNLTSEGVKLVNPNTKIOM	181
QY	61	SYSVKKKSDVKFEDRFDKYLDPSPFQRIHWF	SIFNSFMVIFLVGLVSMILMRTLKXD	120
DB	182	SYSVKKKSDVKFEDRFDKYLDPSPFQRIHWF	SIFNSFMVIFLVGLVSMILMRTLKXD	241
QY	121	YARYSKEBEMDDMDRLDGEYGVKQVGDVFRP	SSHPLIFSSLSIGSGCOIFAVSLIIV	180
DB	242	YARYSKEBEMDDMDRLDGEYGVKQVGDVFRP	SSHPLIFSSLSIGSGCOIFAVSLIIV	301
QY	181	AMIEDLYTERGSMLS	TAIFVYAATSPVNGYFGSGLYARQGGRRWIKQMP	240
DB	302	AMIEDLYTERGSMLS	TAIFVYAATSPVNGYFGSGLYARQGGRRWIKQMP	361
QY	241	GTAFINIAIYYHASRAIPFGTWAVCCICFFVIL	PLNLVCTILGRNLSGOPNFCRVN	300
DB	362	GTAFINIAIYYHASRAIPFGTWAVCCICFFVIL	PLNLVCTILGRNLSGOPNFCRVN	421
QY	301	AVPRPIPKKWFMEPAVIVCLGILPFGSIF	FIETSWAYKIYYVYGFPMMLVLVL	360
DB	422	AVPRPIPKKWFMEPAVIVCLGILPFGSIF	FIETSWAYKIYYVYGFPMMLVLVL	481
QY	361	CIVTVCVTVICTVYFLNNAEDYRWQMTSFLS	AASTAIYVVMYSFYFFFKTKMYGLFQTSF	420
DB	482	CIVTVCVTVICTVYFLNNAEDYRWQMTSFLS	AASTAIYVVMYSFYFFFKTKMYGLFQTSF	541

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QY 421 YFGYMAVFSTALGIMCGAI 439
DB 542 YFGYMAVFSTALGIMCGAI 560

RESULT 2
US-09-786-681A-2
; Sequence 2, Application US/09786681A
; Patent No. 6692926
; GENERAL INFORMATION:
; APPLICANT: HIDAKA, Jun et al.
; TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING I
; TITLE OF INVENTION: BINDING ACTIVITIES, AND THEIR USES
; FILE REFERENCE: 0020-4827P
; CURRENT APPLICATION NUMBER: US/09/786.681A
; CURRENT FILING DATE: 2001-01-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 582
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-786-681A-2

Query Match 100.0%; Score 2347; DB 2; Length 582;
Best Local Similarity 100.0%; Pred. No. 9.4e-227;
Matches 439; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MYIDLPIWIGVGEADENGEDYIWTYKLLRIGFNGNRIVDVNLTSGKVKLVPNTKIOM 60
DB 125 MYIDLPIWIGVGEADENGEDYIWTYKLLRIGFNGNRIVDVNLTSGKVKLVPNTKIOM 184

QY 61 SYSVKWKKSDVKFEDRFDKYLDPSPFFQHRHWFISFNSFMVIFLVGLVSMILMRTLKRD 120
DB 185 SYSVKWKKSDVKFEDRFDKYLDPSPFFQHRHWFISFNSFMVIFLVGLVSMILMRTLKRD 244

QY 121 YARYSKEEEMDDMDRLDGEYGWKQVGDVPRPSSHPLIFSSLIHGSCQIPAVSLIIV 180
DB 245 YARYSKEEEMDDMDRLDGEYGWKQVGDVPRPSSHPLIFSSLIHGSCQIPAVSLIIV 304

QY 181 AMIEDLYTERGSMSTALFVVAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMVC 240
DB 305 AMIEDLYTERGSMSTALFVVAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMVC 364

QY 241 GTAFFINFIAIYYHASRAIPFGTMVAVCCICFFVILPLNLVGTILGRNLSGQPNFPCRVN 300
DB 365 GTAFFINFIAIYYHASRAIPFGTMVAVCCICFFVILPLNLVGTILGRNLSGQPNFPCRVN 424

QY 301 AVPRPIPEKKWFMEPAVIVCLGGILPFGSIPFIEMFYFTSPWAYKIYVYVGFMMVLVLIL 360
DB 425 AVPRPIPEKKWFMEPAVIVCLGGILPFGSIPFIEMFYFTSPWAYKIYVYVGFMMVLVLIL 484

QY 361 CIVTVCTIVCTYFLLNAEDRWQWTSFLSAASTAIYVYVYFYYFFKTKMYGLFOTSF 420
DB 485 CIVTVCTIVCTYFLLNAEDRWQWTSFLSAASTAIYVYVYFYYFFKTKMYGLFOTSF 544

QY 421 YFGYMAVFSTALGIMCGAI 439
DB 545 YFGYMAVFSTALGIMCGAI 563

RESULT 3
US-09-270-767-32308
; Sequence 3208, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270.767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517

; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 32308
; LENGTH: 257
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-32308

Query Match 47.2%; Score 1107; DB 2; Length 257;
Best Local Similarity 78.2%; Pred. No. 8.4e-103;
Matches 201; Conservative 27; Mismatches 29; Indels 0; Gaps 0;

QY 62 YSVKWKSDVKFEDRFDKYLDPSPFFQHRHWFISFNSFMVIFLVGLVSMILMRTLKRDY 121
DB 1 YEVNWKSKVEKFRFDKYLDPSPFFQHRHWFISFNSFMVIFLVGLVSMILMRTLKRDY 60

QY 122 ARYSKEEEMDDMDRLDGEYGWKQVGDVPRPSSHPLIFSSLIHGSCQIPAVSLIIV 181
DB 61 ARYSKEEEMDDMDRLDGEYGWKQVGDVPRPSSHPLIFSSLIHGSCQIPAVSLIIV 240

QY 182 MIEDLYTERGSMSTALFVVAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMVC 241
DB 121 IVGELYTERGSMSTALFVVAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFLIPAMVC 180

QY 242 TAPFINEIAIYYHASRAIPFGTMVAVCCICFFVILPLNLVGTILGRNLSGQPNFPCRVNA 301
DB 181 TAFILNFIAGIYHASRAIPFGTMVAVTCICLVILPLTLVGTIVVGRNLDGQDPFPCRVNA 240

QY 302 VPRPIPEKKWFMEPAVI 318
DB 241 VPRPIPEKKWFMEPLII 257

RESULT 4
US-08-959-004-10
; Sequence 10, Application US/08959004
; Patent No. 6197543
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Lal, Preeti
; APPLICANT: Shah, Purvi
; APPLICANT: Kaser, Matthew
; TITLE OF INVENTION: HUMAN VESICLE MEMBRANE PROTEIN-LIKE
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,004
; FILING DATE: Herewith
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0414 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
```

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; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 625 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1665777
;
US-08-959-004-10

Query Match 35.9%; Score 842.5; DB 2; Length 625;
Best Local Similarity 39.9%; Pred. No. 9.6e-76;
Matches 175; Conservative 83; Mismatches 158; Indels 23; Gaps 6;

QY 17 ENGEDYLLWTK--KLEIGFNGNRIVDNLTSKGKLVLPNT-----KIQMS 61
DB 175 EMESDQHEHYRVVRFVPIQISIRLEDLKADKSSCTLPEGTNSPQIDPTKENQLYFT 234
QY 62 YSVKWKSDVKPEDRFKLDPSFFQHRHWFSEIENSFMWVFLVGLVSMILMRLRKYD 121
DB 235 YSVHWEESDIKWSRWDTYLTMSDVQ--IHWFSIINSVVVFFLSGILSMIIRLRKI 292
QY 122 ARYSKEEEMDMRDRLGDEYKQVHGVDVFRPSSHPLIFSSLIGSGCOIFAVSLIIVIA 181
DB 293 ANYNKEDDIE---DTMEESGWKLVHGVDVFRPPQVPMILSSLLSGSGLQFCMILIVFA 348
QY 182 MIEDLY-TERGSMSTAFVVAATSPVNGYFGSGLYARQGGRRWIKQMFIGNFLIPAMVC 240
DB 349 MGLMSPSSRGALMTTACFLFMFMVGFGFSAGRLYRTLKGRHWKKGAFCTATLYPGVVF 408
QY 241 GTAFINFIAYIHASRAIPFGTMAVCCICFEVLPLNLVGTILGRNLSGQNPPCRNV 300
DB 409 GICFVLCFINGKSSGAVPFTWALLCMFGISLPLVLYGYFGFRKQPYDN-PVRTN 467
QY 301 AVPRPEKKWFMEPAVIVCLGILPFGSIFIEYMFIFTSFWAYKIYVYVGFMMMLVLVIL 360
DB 468 QIPRQIPQRYWYNNRFVGLMAGILPFGAMFIEFISAIWENQFYVYLFGLFLVFIIL 527
QY 361 CIVTVCTVICTVYFLNADRWQWTSFLSAASTAIYVYMYSFYFFPKTMVGLFQTSF 420
DB 528 VVSCQISIVMYVYFOLCAEDYRWNRNFLVSGGSAYVLLVAIFYVFNKLDIVEFIPSL 587
QY 421 YFGYMAVFSTALGIMCGAI 439
DB 588 YFGYALMVLSPWLLTGII 606

RESULT 5
US-08-959-004-5
; Sequence 5, Application US/08959004
; Patent No. 6197543
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Lal, Preeti
; APPLICANT: Shah, Purvi
; APPLICANT: Kaser, Matthew
; TITLE OF INVENTION: HUMAN VESICLE MEMBRANE PROTEIN-LIKE
; TITLE OF INVENTION: PROTEINS
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,004
; FILING DATE: Herewith
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0414 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 663 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: ADRETUT06
; CLONE: 2822412
;
US-08-959-004-5

Query Match 31.8%; Score 746.5; DB 2; Length 663;
Best Local Similarity 34.2%; Pred. No. 4.5e-66;
Matches 155; Conservative 93; Mismatches 160; Indels 45; Gaps 9;

QY 20 EDYLLWT-----YKLEIGFNGNRIV-----DNLTSRG 48
DB 204 DTFTIFNVDIKIYHVVTGSMGARLVAAKLEPKSFKHTHIDKDCGPPMDISNKASG 263
QY 49 KVLVLPNTKIQMSYSVKKWKSQD-VKFEDRFKLDPSFFQHRHWFSEIENSFMWVFLV 107
DB 264 EI-----KIATYVSVEEDDKIRWASRWYDILESMPHTH-IQWFSIMNSLIVFLSG 316
QY 108 LVSMILMRLTKDVARYSKEEEMDMRDRLGDEYKQVHGVDVFRPSSHPLIFSSLS 167
DB 317 MVAMIMLRTLHKDIARYN--QMDSTE-DAQEEFGWKLVHGDIIFRPPKGMLLSVFLSG 372
QY 168 COIFAVSLIIVIAMIEDLY-TERGSMSTAFVVAATSPVNGYFGSGLYARQGGRRWIK 226
DB 373 TQILIMTFVLFFACGLFSLPANRGALMTCAVILWVLGTPAGYVAARFYKSGEKKWT 432
QY 227 QMFICAFILIPAMVCGTAFINFIAYIHASRAIPFGTMAVCCICFFVILPLNLVGTILG 286
DB 433 NVLLTSFLCPGIVFADFFIMNLILWEGSSAAIPFGLTVALALWFCISVPLTFIGAYFG 492
QY 287 RNLGQNPFCRVNAPRPIPEKKWFMEPAVIVCLGILPFGSIFIEYMFIFTSFWAYKI 346
DB 493 FKKNAIEH-PVRTNQIPRQIPQISQSFYTKPLPGIIMGILPFGCIPFIQLFFILNSI 551
QY 347 YVYVGFMMMLVLVILCIVTCTVYFLNADRWQWTSFLSAASTAIYVYMYSFYV 406
DB 552 YVYVGFMMMLVLVILCIVTCTVYFLNADRWQWTSFLSAASTAIYVYMYSFYV 406
QY 407 FFKTKMYGLFQTSFYFGYMAVFSTALGIMCGAI 439
DB 612 FSKLQITGASTILYFGYTMIMVLVFLFTCTI 644

RESULT 6
US-09-949-016-9494
; Sequence 9494, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
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; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9494
; LENGTH: 676
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-9494

Query Match      31.8%; Score 746.5; DB 2; Length 676;
Best Local Similarity 34.2%; Pred. No. 4.6e-66;
Matches 155; Conservative 93; Mismatches 160; Indels 45; Gaps 9;

Qy 20 EDDYLMT-----YKKLEIGFNGNRIV-----DYNLTSEG 48
Db 217 DTFYFNHVDIKIYHVVTETGSMGARLVAAKLEPKSFKTHIDKPCDCGPPMDISNKASG 276
Qy 49 KVLVPNTKIQMSYSVKWKSD-VKFEDRFDKYLDPSFFQHRHWFISFNSFMVIFLVG 107
Db 277 EI-----KIATYSVSFEEDDKIRWASRDYIILSPHPTH-IQWFSIMNSLVIVFLSG 329
Qy 108 LVSMILMRTLKDYARYSKKEEMDDMDRDLDGEYGVKQVHGDVFRPSSHPLIFSSLIGSG 167
Db 330 MVAMIMLRTLHKDIARYN---QMDSTE-DAEEFGKWLHVHGDIFRPRKGMLLSVFLSG 385
Qy 168 QCFPAVSLIIVIAMIEDLY-TERGSMLSIAIFYAATSPVNGYFGGSLYAROGRRWIK 226
Db 386 TQILIMFTVTLFFACLGFLSPANRGALMTCAVWLVLGTPAGYVAARFYKSGFGEKWK 445
Qy 227 QMFIGAFILPAMVCGTAFFINFIAIYHSAIRAPFGTMVAVCCICFFVILPLNLVGTILG 286
Db 446 NVLITSLPCPGIVFADFFIMNLILWGGSSAAIPFGTLVAILALWFCISVPLTIFIGAYFG 505
Qy 287 RNLGQPNFPCRVNAPRPPIPEKKWFMEPAVIVCLGILPFGSIFIEYFIFTSFYWKI 346
Db 506 FKKAIEH-PVRTNQIPRQIPEQSFYTKPLPGIIMGILPFGCIFQLFFILNSIWSHOM 564
Qy 347 YVYVGFMLVLVILCVTVCTVYFLNNAEDYRWQMTSFLSAASTAIYVVMYSFYV 406
Db 565 YVYVGFMLVLVILCVTVCTVYFLNNAEDYRWQMTSFLSAASTAIYVVMYSFYV 624
Qy 407 FFKTKMYGLFQTSFYFGYMAVFSALGIMCGAI 439
Db 625 FSKLQITGTASTILYFGYTMIMVLIFLFTGTI 657

RESULT 7
US-10-104-047-3669
; Sequence 3669, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; TITLE OF INVENTION: HELIX RESEARCH INSTITUTE
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3669
; LENGTH: 573
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-104-047-3669

Query Match      31.6%; Score 741.5; DB 2; Length 573;
Best Local Similarity 34.0%; Pred. No. 1.2e-65;
Matches 154; Conservative 93; Mismatches 161; Indels 45; Gaps 9;

Qy 20 EDDYLMT-----YKKLEIGFNGNRIV-----DYNLTSEG 48
Db 114 DTFYFNHVDIKIYHVVTETGSMGARLVAAKLEPKSFKTHIDKPCDCGPPMDISNKASG 173
Qy 49 KVLVPNTKIQMSYSVKWKSD-VKFEDRFDKYLDPSFFQHRHWFISFNSFMVIFLVG 107
Db 174 EI-----KIATYSVSFEEDDKIRWASRDYIILSPHPTH-IQWFSIMNSLVIVFLSG 226
Qy 108 LVSMILMRTLKDYARYSKKEEMDDMDRDLDGEYGVKQVHGDVFRPSSHPLIFSSLIGSG 167
Db 227 MVAMIMLRTLHKDIARYN---QMDSTE-DAEEFGKWLHVHGDIFRPRKGMLLSVFLSG 282
Qy 168 QCFPAVSLIIVIAMIEDLY-TERGSMLSIAIFYAATSPVNGYFGGSLYAROGRRWIK 226
Db 283 TQILIMFTVTLFFACLGFLSPANRGALMTCAVWLVLGTPAGYVAARFYKSGFGEKWK 342
Qy 227 QMFIGAFILPAMVCGTAFFINFIAIYHSAIRAPFGTMVAVCCICFFVILPLNLVGTILG 286
Db 343 NVLITSLPCPGIVFADFFIMNLILWGGSSAAIPFGTLVAILALWFCISVPLTIFIGAYFG 402
Qy 287 RNLGQPNFPCRVNAPRPPIPEKKWFMEPAVIVCLGILPFGSIFIEYFIFTSFYWKI 346
Db 403 FKKAIEH-PVRTNQIPRQIPEQSFYTKPLPGIIMGILPFGCIFQLFFILNSIWSHOM 461
Qy 347 YVYVGFMLVLVILCVTVCTVYFLNNAEDYRWQMTSFLSAASTAIYVVMYSFYV 406
Db 462 YVYVGFMLVLVILCVTVCTVYFLNNAEDYRWQMTSFLSAASTAIYVVMYSFYV 521
Qy 407 FFKTKMYGLFQTSFYFGYMAVFSALGIMCGAI 439
Db 522 FSKLQITGTASTILYFGYTMIMVLIFLFTGTI 554

RESULT 8
US-08-959-004-11
; Sequence 11, Application US/08959004
; Patent No. 6197543
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Lal, Preeti
; APPLICANT: Shah, Purvi
; APPLICANT: Kaser, Matthew
; TITLE OF INVENTION: HUMAN VESICLE MEMBRANE PROTEIN-LIKE
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESS: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,004
; FILING DATE: Herewith
; CLASSIFICATION: 514
; PRIOR APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
```



REFERENCE/DOCKET NUMBER: PF-0414 US  
TELEPHONE: 650-855-0555  
TELEFAX: 650-845-4166  
TELEX:  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 667 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GenBank  
CLONE: 2131246  
US-08-959-004-11

Query Match 25.7%; Score 603; DB 2; Length 667;  
Best Local Similarity 33.3%; Pred. No. 1.1e-51;  
Matches 130; Conservative 77; Mismatches 167; Indels 16; Gaps 7;

QY 55 NTKIQSYSVKWKSDVKPEDRPDKYL---DPSFFQHRHWFSPISNEMMVIFLVGLVSM 111  
DB 270 DNEVFTYSVKNESATSWATRWKYLHVYDPS-----IQFSLINFSLVVLLSSVJIH 324  
QY 112 ILMTLRKDYARYSKEEENDDMDRLDGEYGWKQVHGDDVFRPSSSHPLIFSSLIGSGCQIF 171  
DB 325 SLRLALKSDFARN-ELNLD---DFQEDSGWKLNGHDVFRSPQSLSLTLSILVSGVQLF 380  
QY 172 AVSLIVIVAMIEDLY-TERGSMNSTAIFVYAATSPVNGYFGSGLYARQGRRWTKQMPI 230  
DB 381 LMVTCISIPFAALGFLSPSRGSLATVMFLYALFGVGSYTSWGIYKFFNGPYWKANLJL 440  
QY 231 GAFLPAMVCGTAFFNFTAIYHASRAIPFGTMVAVCCICFPVILPLNLVGTILGRNLS 290  
DB 441 TPLVPGALLIIIAINFMLFVHSSGVIPASTLFFMFLVFLFSLPSFAGSLIARKRC 500  
QY 291 GQPNFPCRVNAPRPIPEKKWPEPAVIVCLGGLPFGSIFIEYPIFTSFWAYKIYVY 350  
DB 501 HWEHTKTNQIARQIPFPQWILKTIPTALIAIIPFGSIAVELYFIYSLFNKIFYMF 560  
QY 351 GPMMLVLVLCIVTVCVTIVCTYFLLNAEDYRWQTSF-LSAASAIYVYMYSFYFFPK 409  
DB 561 GFLFFSFLTLTSSLVTLITVHSLCLENWQKWRGFIIGGACALYVFIHSI--LPTK 618  
QY 410 TKMYGLFQFSFYFGYMAVESTALGIMCGAI 439  
DB 619 FXLGGTTIVLYGVSSVISLCLLVTSI 648

RESULT 9  
US-09-270-767-44213  
Sequence 44213, Application US/09270767  
Patent No. 6703491  
GENERAL INFORMATION:  
APPLICANT: Homburger et al.  
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
FILE REFERENCE: File Reference: 7326-094  
CURRENT FILING DATE: 1999-03-17  
NUMBER OF SEQ ID NOS: 12  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 44213  
LENGTH: 133  
TYPE: PRT  
ORGANISM: Drosophila melanogaster  
US-09-270-767-44213

Query Match 23.3%; Score 546; DB 2; Length 133;  
Best Local Similarity 84.2%; Pred. No. 6.8e-47;  
Matches 96; Conservative 11; Mismatches 7; Indels 0; Gaps 0;

QY 326 PFGSIFIEYFIPTSFWAYKIYVYVGFMLLVLSILTVCTVCTYFLLNAEDYRWQ 385  
|||||

DB 1 PFGSIFIEYFIPTSFWAYKIYVYVGFMLLVLSILTVCTVCTYFLLNAEDYRWQ 60  
QY 386 TSFLSAASTAIYVYMYSFYFFKTKMYCLFOTSFYFGYMAVFSALGIMCGAI 439  
DB 61 TSFMAAGSTSIYVYAYSFYFFKTKMYCLFOTSFYFGYMAVFSALGIMCGAI 114  
|||||

RESULT 10  
US-09-270-767-59636  
Sequence 59636, Application US/09270767  
Patent No. 6703491  
GENERAL INFORMATION:  
APPLICANT: Homburger et al.  
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
FILE REFERENCE: File Reference: 7326-094  
CURRENT APPLICATION NUMBER: US/09/270,767  
CURRENT FILING DATE: 1999-03-17  
NUMBER OF SEQ ID NOS: 62517  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 59636  
LENGTH: 133  
TYPE: PRT  
ORGANISM: Drosophila melanogaster  
US-09-270-767-59636

Query Match 23.3%; Score 546; DB 2; Length 133;  
Best Local Similarity 84.2%; Pred. No. 6.8e-47;  
Matches 96; Conservative 11; Mismatches 7; Indels 0; Gaps 0;

QY 326 PFGSIFIEYFIPTSFWAYKIYVYVGFMLLVLSILTVCTVCTYFLLNAEDYRWQ 385  
DB 1 PFGSIFIEYFIPTSFWAYKIYVYVGFMLLVLSILTVCTVCTYFLLNAEDYRWQ 60  
QY 386 TSFLSAASTAIYVYMYSFYFFKTKMYCLFOTSFYFGYMAVFSALGIMCGAI 439  
DB 61 TSFMAAGSTSIYVYAYSFYFFKTKMYCLFOTSFYFGYMAVFSALGIMCGAI 114  
|||||

RESULT 11  
US-09-248-796A-20311  
Sequence 20311, Application US/09248796A  
Patent No. 6747137  
GENERAL INFORMATION:  
APPLICANT: Keith Weinstein et al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICA  
FILE REFERENCE: 107196.132  
CURRENT FILING DATE: 1999-02-12  
CURRENT APPLICATION NUMBER: US/09/248,796A  
PRIOR FILING DATE: 1998-02-13  
PRIOR APPLICATION NUMBER: US 60/074,725  
PRIOR FILING DATE: 1998-02-13  
PRIOR APPLICATION NUMBER: US 60/096,409  
NUMBER OF SEQ ID NOS: 28208  
SEQ ID NO 20311  
LENGTH: 241  
TYPE: PRT  
ORGANISM: Candida albicans  
US-09-248-796A-20311

Query Match 17.9%; Score 419; DB 2; Length 241;  
Best Local Similarity 36.4%; Pred. No. 8.3e-34;  
Matches 82; Conservative 46; Mismatches 85; Indels 12; Gaps 4;

QY 220 GGRWIKQMFAGFLIPAMVCGTAFFINFIAYHASRAIPFGTMVAVCCICFFVLPLN 279  
DB 5 GGDNWKLNWFLTPVLVPGILSLVFLVFNFLISVQSGAIHMGTMFAIVLWFIISPLS 64  
QY 280 LVGTILGRNLSCQP--NFPICRVNAPRPIPEKKWPEPAVIVCLGGLPFGSIFIEYFI 337  
DB 65 VIGSILASN---RPLLSVPVTRNQIPRQIPTQWYLTSTIPVNFIFGIFPFGSIAVEMYFI 121  
QY 338 FTSFWAYKIYVYVGFMLLVLSILTVCTVCTYFLLNAEDYRWQTSFSLSAASTAIY 397  
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Job time : 30.5458 secs

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OM nucleic - nucleic search, using sw model

Run on: December 13, 2005, 13:58:25 ; Search time 245.063 Seconds  
(without alignments)  
9552.862 Million cell updates/sec

Title: US-09-319-724B-2

Perfect score: 1317

Sequence: 1 atgtacatagatgattacc.....ggataatgtgaggcgatt 1317

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents:NA:\*

- 1: /cgn2\_6/ptodata/1/ina/1 COMB.seq:\*
- 2: /cgn2\_6/ptodata/1/ina/5 COMB.seq:\*
- 3: /cgn2\_6/ptodata/1/ina/6A COMB.seq:\*
- 4: /cgn2\_6/ptodata/1/ina/6B COMB.seq:\*
- 5: /cgn2\_6/ptodata/1/ina/H COMB.seq:\*
- 6: /cgn2\_6/ptodata/1/ina/PCTUS COMB.seq:\*
- 7: /cgn2\_6/ptodata/1/ina/PP COMB.seq:\*
- 8: /cgn2\_6/ptodata/1/ina/RE COMB.seq:\*
- 9: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1317	100.0	1827	3	US-09-786-681A-3
2	1317	100.0	2072	3	US-09-786-681A-1
3	444	33.7	444	3	US-09-621-976-18829
4	383.4	29.1	440	3	US-09-513-999C-3708
5	369.8	28.1	771	3	US-09-270-767-679
6	369.8	28.1	771	3	US-09-270-767-15961
7	209	15.9	2391	3	US-09-949-016-3623
8	209	15.9	2805	3	US-08-959-004-6
9	207.4	15.7	1878	3	US-10-104-047-1699
10	193	14.7	571	3	US-09-270-767-28434
11	193	14.7	1151	3	US-09-270-767-12633
12	114.6	8.7	726	3	US-09-248-796A-6208
13	100	7.6	262	3	US-09-313-294A-2292
14	91.6	7.0	769	3	US-09-385-982-530
15	73	5.5	433	3	US-09-513-999C-3502
16	64.6	4.9	302	3	US-09-702-705-1002
17	64.6	4.9	302	3	US-09-736-457-1002
18	64.6	4.9	302	3	US-09-614-124B-1002
19	64.6	4.9	302	3	US-09-671-325-1002
20	64.6	4.9	302	3	US-09-658-824-1002
21	64.6	4.9	302	3	US-10-017-754-1002
22	64.6	4.9	302	3	US-09-651-563-1002
23	56.4	4.3	279	3	US-09-313-294A-4533
24	51.8	3.9	7218	2	US-08-232-463-14

25	51.2	3.9	995	3	US-09-270-767-14715	Sequence 14715, A
26	49.2	3.7	601	3	US-09-949-016-127246	Sequence 127246, A
27	49.2	3.7	6561	3	US-09-949-016-15365	Sequence 15365, A
28	47.8	3.6	299	3	US-09-313-294A-772	Sequence 772, App
29	45.6	3.5	519	2	US-08-686-878A-20	Sequence 20, Appl
30	45.6	3.5	519	3	US-09-175-928-20	Sequence 20, Appl
C 31	44.6	3.4	99500	3	US-09-798-096-10	Sequence 10, Appl
32	44.4	3.4	1141	3	US-09-806-708B-22	Sequence 22, Appl
33	43	3.3	268	3	US-09-313-294A-909	Sequence 909, App
C 34	42.4	3.2	453	3	US-09-270-767-9089	Sequence 9089, App
C 35	42.4	3.2	453	3	US-09-270-767-24371	Sequence 24371, A
C 36	42.2	3.2	1141	3	US-09-806-708B-22	Sequence 22, Appl
37	42	3.2	640681	3	US-09-790-988-1	Sequence 1, Appli
38	41	3.1	601	3	US-09-949-016-103893	Sequence 103893, A
C 39	41	3.1	52314	3	US-09-949-016-14622	Sequence 14622, A
40	40.8	3.1	274	3	US-09-313-294A-3811	Sequence 3811, App
C 41	40.8	3.1	7218	2	US-08-232-463-14	Sequence 14, Appl
42	40.6	3.1	601	3	US-09-949-016-103894	Sequence 103894, A
43	40.6	3.1	187169	3	US-09-949-016-12776	Sequence 12776, A
44	40.6	3.1	191569	3	US-09-949-016-15940	Sequence 15940, A
45	40.4	3.1	238815	3	US-09-949-016-16274	Sequence 16274, A

ALIGNMENTS

RESULT 1

US-09-786-681A-3

; Sequence 3, Application US/09786681A

; Patent No. 6692926

; GENERAL INFORMATION:

; APPLICANT: HIDAKA, Jun et al.

; TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING L

; FILE OF INVENTION: BINDING ACTIVITIES, AND THEIR USES

; FILE REFERENCE: 0020-4827P

; CURRENT APPLICATION NUMBER: US/09/786.681A

; CURRENT FILING DATE: 2001-01-24

; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 3

; LENGTH: 1827

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (11)..(1747)

; US-09-786-681A-3

Query Match 100.0%; Score 1317; DB 3; Length 1827;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAATCGAGAA 60

374 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAATCGAGAA 433

QY 61 GATTACTATCTTTGGACCTATAAAAACCTTGAATAGTGTATTAATGGAATCGAATGTT 120

434 GATTACTATCTTTGGACCTATAAAAACCTTGAATAGTGTATTAATGGAATCGAATGTT 493

QY 121 GATGTTAATCTAACTAGTAGTGAAGAAAGTGAACCTGGTTCCAAATCTTAAATCCAGATG 180

494 GATGTTAATCTAACTAGTAGTGAAGAAAGTGAACCTGGTTCCAAATCTTAAATCCAGATG 553

QY 181 TCATATTTCAGTAAATGGAATAAGTCAGATGTGAAATTTGAAGATCGAATTTGACAAATAT 240

554 TCATATTTCAGTAAATGGAATAAGTCAGATGTGAAATTTGAAGATCGAATTTGACAAATAT 613

QY 241 CTGATCCGTCCTTTTTCACATCGGATTCATTTGGTTTCAATTTTCAACTCCCTTCATG 300

614 CTGATCCGTCCTTTTTCACATCGGATTCATTTGGTTTCAATTTTCAACTCCCTTCATG 673

QY 301 ATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAAATGAGAACATTAAAGAAAGAT 360

|||||  
Db 674 ATGGTGATCTCTTGGTGGCTTAGTTTCAATGATTTTAAATGGAACATTAAGAAAAAGAT 733  
Qy 361 TATGCTCGGTACAGTAAGAGAGAAATGGATGATATGGATAGAGACCTAGGAGATGAA 420  
Db 734 TATGCTCGGTACAGTAAGAGAGAAATGGATGATATGGATAGAGACCTAGGAGATGAA 793  
Qy 421 TATGATGGAAACAGGTGCATGGAGATGATATTTAGAACCATCAAGTCCACCACTGATATT 480  
Db 794 TATGATGGAAACAGGTGCATGGAGATGATATTTAGAACCATCAAGTCCACCACTGATATT 853  
Qy 481 TCCTCTCTGATGGTTCGGAATGCAGATATTTCTGTGCTCTCATCGTTATTATTGTT 540  
Db 854 TCCTCTCTGATGGTTCGGAATGCAGATATTTCTGTGCTCTCATCGTTATTATTGTT 913  
Qy 541 GCAATGATAGAGATTTATATACAGAGGGGATCAATGCTCAGTACAGCCATATTTGTC 600  
Db 914 GCAATGATAGAGATTTATATACAGAGGGGATCAATGCTCAGTACAGCCATATTTGTC 973  
Qy 601 TATGCTGCTAGTCTCCAGTGAATGTTATTTGGAGAGTCTGTATGCTAGACAAGGA 660  
Db 974 TATGCTGCTAGTCTCCAGTGAATGTTATTTGGAGAGTCTGTATGCTAGACAAGGA 1033  
Qy 661 GGAAGGAGATGATAAGACAGATGTTATTTGGGGCATTTCCCTATCCAGCTATGGTGTG 720  
Db 1034 GGAAGGAGATGATAAGACAGATGTTATTTGGGGCATTTCCCTATCCAGCTATGGTGTG 1093  
Qy 721 GGCACTGCTCTCTTCAATATTCATAGCCATTTATTTGTTATTTCTCTCTAAATCTT 780  
Db 1094 GGCACTGCTCTCTTCAATATTCATAGCCATTTATTTGTTATTTCTCTCTAAATCTT 1153  
Qy 781 TTTGGAAACATGGTGGCGGTTTGTGCAATCTGTTTATTTGTTATTTCTCTCTAAATCTT 840  
Db 1154 TTTGGAAACATGGTGGCGGTTTGTGCAATCTGTTTATTTGTTATTTCTCTCTAAATCTT 1213  
Qy 841 GTTGGTCAATACATTTGGCGGAATCTGTGAGTCCAGCCCACTTTCCCTGCTGTCGTCAT 900  
Db 1214 GTTGGTCAATACATTTGGCGGAATCTGTGAGTCCAGCCCACTTTCCCTGCTGTCGTCAT 1273  
Qy 901 GCTGTGCTCGTCTATACCGGAGAAAAATGGTTTCATGGAGCCTGCGGTTATTTGTTGC 960  
Db 1274 GCTGTGCTCGTCTATACCGGAGAAAAATGGTTTCATGGAGCCTGCGGTTATTTGTTGC 1333  
Qy 961 CTGGGTGGAATTTTACCTTTGGTTCAATCTTTATTTGAAATGATTTTCACTTCACTCT 1020  
Db 1334 CTGGGTGGAATTTTACCTTTGGTTCAATCTTTATTTGAAATGATTTTCACTTCACTCT 1393  
Qy 1021 TTCTGGGCATATAAGATCTATTATGCTATGGCTTCATGCTGCTGCTGCTGCTGCTGCTG 1080  
Db 1394 TTCTGGGCATATAAGATCTATTATGCTATGGCTTCATGCTGCTGCTGCTGCTGCTGCTG 1453  
Qy 1081 TGCAATTTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1140  
Db 1454 TGCAATTTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1513  
Qy 1141 TACCGGTGGCAATGGACAAGTTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1200  
Db 1514 TACCGGTGGCAATGGACAAGTTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1573  
Qy 1201 TATTCCTTTTACTACTATTTTTCAAAACAAAGATGATGGCTTATTTTCAACATCATTTT 1260  
Db 1574 TATTCCTTTTACTACTATTTTTCAAAACAAAGATGATGGCTTATTTTCAACATCATTTT 1633  
Qy 1261 TACTTTGGATATATGGCGGTATTTTAGCACACCTTTGGGGATATTTGTTGGAGCGATT 1317  
Db 1634 TACTTTGGATATATGGCGGTATTTTAGCACACCTTTGGGGATATTTGTTGGAGCGATT 1690

RESULT 2

US-09-786-681A-1

; Sequence 1, Application us/09786681A

; Patent No. 6692926

; GENERAL INFORMATION:

; APPLICANT: HIDAKA, Jun et al.  
; TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING L

; FILE REFERENCE: 0020-4827P

; CURRENT APPLICATION NUMBER: US/09/786,681A

; CURRENT FILING DATE: 2001-01-24

; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 1

; LENGTH: 2072

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (49)..(1794)

; US-09-786-681A-1

Query Match 100.0%; Score 1317; DB 3; Length 2072;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGTACATAGATCATTTTACCATATATGGGTATTTGTTGGTGAGGCTGATGAAAAATGGAGAA 60

Db 421 ATGTACATAGATCATTTTACCATATATGGGTATTTGTTGGTGAGGCTGATGAAAAATGGAGAA 480

Qy 61 GATTACTATCTTTGGACCTATAAAAACTTTGAAATAGGTTTAAATGGAATCGAATTTGTT 120

Db 481 GATTACTATCTTTGGACCTATAAAAACTTTGAAATAGGTTTAAATGGAATCGAATTTGTT 540

Qy 121 GATGTTAACTAACTAGTAGAGGAAAGGTGAAACTGTTTCCAAATACTAAAAATCCAGATG 180

Db 541 GATGTTAACTAACTAGTAGAGGAAAGGTGAAACTGTTTCCAAATACTAAAAATCCAGATG 600

Qy 181 TCATATTTTCAGTAAATAGGAAAGTTCAGATGTCAAATTTTGAAGATCGATTTGACAAATAT 240

Db 601 TCATATTTTCAGTAAATAGGAAAGTTCAGATGTCAAATTTTGAAGATCGATTTGACAAATAT 660

Qy 241 CTTTGATCCGTCCTTTTCAAACATCGGATTCATTGTTTTCAAATTTTCAACTCCTTCATG 300

Db 661 CTTTGATCCGTCCTTTTCAAACATCGGATTCATTGTTTTCAAATTTTCAACTCCTTCATG 720

Qy 301 ATGGTGATCTTCTTGGTGGCTTAGTTTCAATGATTTTAAATGAGAACATTTAAGAAAAAGAT 360

Db 721 ATGGTGATCTTCTTGGTGGCTTAGTTTCAATGATTTTAAATGAGAACATTTAAGAAAAAGAT 780

Qy 361 TATGCTCGGTACAGTAAAGAGGAAATGAGATATGATAGAGACCTAGAGATGAA 420

Db 781 TATGCTCGGTACAGTAAAGAGGAAATGAGATATGATAGAGACCTAGAGATGAA 840

Qy 421 TATGGATGAAAACAGGTGCATGGAGATGATTTTAGACCATCAAGTCAACCACTGATATTT 480

Db 841 TATGGATGAAAACAGGTGCATGGAGATGATTTTAGACCATCAAGTCAACCACTGATATTT 900

Qy 481 TCCTCTCTGATGGTTCGAGATGTCAGATATTTGCTGTGCTCTCATCGTTATTATTGTT 540

Db 901 TCCTCTCTGATGGTTCGAGATGTCAGATATTTGCTGTGCTCTCATCGTTATTATTGTT 960

Qy 541 GCAATGATAGAACATTTATATCTGAGAGGGGATCAATGCTCAGTACAGCCATATTTTGC 600

Db 961 GCAATGATAGAACATTTATATCTGAGAGGGGATCAATGCTCAGTACAGCCATATTTTGC 1020

Qy 601 TATGCTGTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGA 660

Db 1021 TATGCTGTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGA 1080

Qy 661 GGAAGGAGATGATAAGCAGATGTTTATTTGGGGCATTTCCCTATCCAGCTATGGTGTG 720

Db 1081 GGAAGGAGATGATAAGCAGATGTTTATTTGGGGCATTTCCCTATCCAGCTATGGTGTG 1140

Qy 721 GGCACTGCCCTTCTTCAATCAATTTTATAGCCATTTTATACATGCTTTCAAGAGCCATTCCT 780

Db 1141 GGCACTGCCCTTCTTCAATCAATTTTATAGCCATTTTATACATGCTTTCAAGAGCCATTCCT 1200

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Qy 781 TTTGGAACAATGGTGGCGGTTGTTGTCATCTGTTTTTTTGTATTCTTCCTCTAAATCTT 840
Db 1201 TTTGGAACAATGGTGGCGGTTGTTGTCATCTGTTTTTTTGTATTCTTCCTCTAAATCTT 1260
Qy 841 GTTGTAACAATCTTTGGCGGAAATCTGTCAAGTCAGCCCAACTTTCTTGTGTCGTCAAT 900
Db 1261 GTTGTAACAATCTTTGGCGGAAATCTGTCAAGTCAGCCCAACTTTCTTGTGTCGTCAAT 1320
Qy 901 GCTGTGCTCGTCTCTATACCGGAGAAAATGGTTTCATGGAGCCCTGCCGTTATTGTTTC 960
Db 1321 GCTGTGCTCGTCTCTATACCGGAGAAAATGGTTTCATGGAGCCCTGCCGTTATTGTTTC 1380
Qy 961 CTGGTGGAATTTTACCTTTTGGTTTCAATCTTTATTTGAAATGTAATTTCACTCTCACGTC 1020
Db 1381 CTGGTGGAATTTTACCTTTTGGTTTCAATCTTTATTTGAAATGTAATTTCACTCTCACGTC 1440
Qy 1021 TTTCTGGGCAATATAAGATCTATTATGCTATATGCTTATGCTTTCATGATGCTGGTCTGTTATCTG 1080
Db 1441 TTTCTGGGCAATATAAGATCTATTATGCTTATGCTTTCATGATGCTGGTCTGTTATCTG 1500
Qy 1081 TGCATTGTGACTGTCTGTGTCATCTTGTGTCATATTTTCTACTAAATGCAGAAGAT 1140
Db 1501 TGCATTGTGACTGTCTGTGTCATATTTTCTACTAAATGCAGAAGAT 1560
Qy 1141 TACCGGTGGCAATGACAAAGTTTCTCTCTGTCATCAACTGCAATCTATGTTTACATG 1200
Db 1561 TACCGGTGGCAATGACAAAGTTTCTCTCTGTCATCAACTGCAATCTATGTTTACATG 1620
Qy 1201 TATTCCTTTTACTACTATTTTTCAAAAACAAGATGTAAGCTTATTTTCAACATCAATTT 1260
Db 1621 TATTCCTTTTACTACTATTTTTCAAAAACAAGATGTAAGCTTATTTTCAACATCAATTT 1680
Qy 1261 TACTTTGATATATGCGCGTATTAGCACAGCCTTGGGGATAATGTGGAGCGAATT 1317
Db 1681 TACTTTGATATATGCGCGTATTAGCACAGCCTTGGGGATAATGTGGAGCGAATT 1737
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## RESULT 3

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US-09-621-976-18829
; Sequence 18829, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 18829
; LENGTH: 444
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-18829
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Query Match 33.7%; Score 444; DB 3; Length 444;
Best Local Similarity 100.0%; Pred. No. 3.5e-106;
Matches 444; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 130 CTAACCTAGTGAGGAAGGTGAACTGGTCCAAATACCTAAATCCAGATGTCATATCA 189
Db 1 CTAACCTAGTGAGGAAGGTGAACTGGTCCAAATACCTAAATCCAGATGTCATATCA 60
Qy 190 GTAAATGCAAAAGTCAGATGTGAAATTTGAAGATCGATTTCACAAATATCTTGATCCG 249
Db 61 GTAAATGCAAAAGTCAGATGTGAAATTTGAAGATCGATTTCACAAATATCTTGATCCG 120
Qy 250 TCCTTTTTCACATCGGATTCATTTGTTTTCATTTTCAATCTCTTCATGATGATC 309
Db 121 TCCTTTTTCACATCGGATTCATTTGTTTTCATTTTCAATCTCTTCATGATGATC 180
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Qy 310 TTCTTGTGGCTTAGTTTCAATGATTTTATGAGAACATTAAAGAAAAAGATTATGCTCGG 369
Db 181 TTCTTGTGGCTTAGTTTCAATGATTTTATGAGAACATTAAAGAAAAAGATTATGCTCGG 240
Qy 370 TACAGTAAAGAGGAGAAATCGATGATATGATAGAGACCTTAGGAGATGAATATGGATGG 429
Db 241 TACAGTAAAGAGGAGAAATCGATGATATGATAGAGACCTTAGGAGATGAATATGGATGG 300
Qy 430 AAACAGGTGTCATGAGATGATTTTAGACCATCAAGTCACCCACTGATATTTTCTCTCTG 489
Db 301 AAACAGGTGTCATGAGATGATTTTAGACCATCAAGTCACCCACTGATATTTTCTCTCTG 360
Qy 490 ATTGGTCTGATGTCAGATATTTTCTGCTGCTCTCATCGTATTATTTGTTGCAATGATA 549
Db 361 ATTGGTCTGATGTCAGATATTTTCTGCTGCTCTCATCGTATTATTTGTTGCAATGATA 420
Qy 550 GAAGATTATATATCTAGAGGGGA 573
Db 421 GAAGATTATATATCTAGAGGGGA 444
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## RESULT 4

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US-09-513-999C-3708
; Sequence 3708, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duciert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59 US2, REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 3708
; LENGTH: 440
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 180..440
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 151
; OTHER INFORMATION: m=a or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 155
; OTHER INFORMATION: s=g or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 162
; OTHER INFORMATION: k=g or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 184
; OTHER INFORMATION: n=a, g, c or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 323
; OTHER INFORMATION: w=a or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 343
; OTHER INFORMATION: n=a, g, c or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 397
; OTHER INFORMATION: m=a or c
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; SEQ ID NO 15961
; LENGTH: 771
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-15961

Query Match      28.1%; Score 369.8; DB 3; Length 771;
Best Local Similarity 67.7%; Pred. No. 1.1e-86;
Matches 518; Conservative 0; Mismatches 247; Indels 0; Gaps 0;

QY 190 GTAAATGGAAGTGCAGATGTAATTTGAAGATCGATTGACAAATATCTTGATCGG 249
DB 765 GTCAACTGGAAGCCAGCAAGGTGAGTTCAAGAAATCGATTGCAAGTACCTGGATCCC 706

QY 250 TCCTTTTTCAACATCGGATTCATTTGGTTTCAATTTTCAACTCTCTCATGATGTGATC 309
DB 705 AACTTCTCCAGCAGATCCACTGGTTTCAGCATCTTCAACAGCTTTCATGATGTGATC 646

QY 310 TTCTTGGTGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAAGATTATGCTCGG 369
DB 645 TTCTGGTGGTCTGGTGTCCATGATTTCTGATGCGAACTCTGCGCAAGGATATGCTCGG 586

QY 370 TACAGTAAGAGGAAGAAATGATGATGATGATGATGATGATGATGATGATGATGATG 429
DB 585 TACAGTAAGAGGAGGAAGAAATGATGATGATGATGATGATGATGATGATGATGATG 526

QY 430 AAACAGGTGATGAGATGATTTAGACCATCAAGTCAACCACTGATATTTTCTCTCTG 489
DB 525 AAGCAGGTGATGAGATGATTTCTCGTTCTCGCCCAACACTGCTCTTCTCGGCGTTG 466

QY 490 ATTGTTCTGGATGTCAGATATTTGCTGTGCTCTCATCGTTATTTATTTGTCATGATA 549
DB 465 GTGGCGCTGGATACCAACTGATTTCCGGTGTGATTTCTGTGATCATGTTCCGCATGTT 406

QY 550 GAAGATTTATATACAGAGGGATCAATGCTCAGTACAGCAATTTTGTCTATGCTGCT 609
DB 405 GGTGAATTTGACACGGAACGCGGCTCCATGCTGTCCACGGCTATATTTGTGTATGCCGCC 346

QY 610 ACGTCTCAGTGAATGTTATTTTGGAGGAAGTCTGTATGCTAGACAAAGGAGGAGAGA 669
DB 345 ACCTCACCACATCAATGGATACCTTTGGAGGATGCTCTATGCCGCTGGGTGGAGCATG 286

QY 670 TGGATAAAGCAGATGTTTATTTGGGCAATTCCTTATCCAGCTATGTTGGTGGCACTGCC 729
DB 285 TGGATCCAGCAGATGCTGTGTCCGCTTTTACAGTTCAGTGGCTGTGTGGGCAAGCT 226

QY 730 TTCTTCATCAATTCATAGCAATTTATACAGTCTTCAAGAGCAATTCCTTTTGGAAACA 789
DB 225 TTCTCTGATCAACTTCATTTGCCATTTGGATATCACGCTCGAGAGCCATTCCTTCCGTACC 166

QY 790 ATGTTGGCCGTTTGTGATCTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTG 849
DB 165 ATGTTGGCCGTTTGTGATCTGCTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGT 106

QY 850 ATACTTGGCCGAAATCTGTGAGTTCAGCCCAACTTTCTGTGCTGTCATGCTGCTGCTGCT 909
DB 105 GTCTGGGCGCAATCTGGAGCGCAACCGGACTTTCCATGCCGCTCAACGCGGTGCA 46

QY 910 CGTCTATACCGGAGAAAAATGTTTCATGAGGCTCGCGTTATT 954
DB 45 CGACCCATTCGGAAGAGGTGTACATGGAGCCACTGATTT 1
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RESULT 7

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US-09-949-016-3623
; Sequence 3623, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
```

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; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3623
; LENGTH: 2391
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-3623

Query Match      15.9%; Score 209; DB 3; Length 2391;
Best Local Similarity 52.1%; Pred. No. 1.6e-44;
Matches 548; Conservative 0; Mismatches 485; Indels 18; Gaps 3;

QY 236 AATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCT 295
DB 996 ACTATATTTCTGGAGTCTATGCTCATACCACATTCAGTGGTTAGCATTTATGAATCCC 1055

QY 296 TCATGATGGTGAATCTTTCTTGGTGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAA 355
DB 1056 TGGTCATTTGTTCTCTTCTTATCTGGAATGGTAGCTATGATTATGTTACGACACTGCACA 1115

QY 356 AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGATAGAGACCTAGGAG 415
DB 1116 AAGATTATGCTAGATATAATCAGATGGACTCTACGGAAGATGCCAG-----G 1163

QY 416 ATGAATATGGAATGAAACACAGGTGCATGGAGATGATTTTAGACCATCAAGTCACCCACTGA 475
DB 1164 AAGAAATTTGGCTGGAACCTTGTTCATGTTGATATATTCGTCCTCCAGAAAGAGGATGC 1223

QY 476 TATTTTCTCTCTGATGGTTCGANGTCAGATATTTGCTGTGTCTCTCATFCGTTATTA 535
DB 1224 TGCTATCAGTCTTTCTAGGATCCGGGACACAGATTTTAATTATGACCTTTTGTGACTAT 1283

QY 536 TTGTTGCAATATAGAGATTTATATATCTG---AGAGGGGATCAATGCTCAGTACAGCA 592
DB 1284 TTTTCGCTTGCTGGGATTTTGTACCTGCCAACCGAGAGCGCTGATGAGTGTGCTG 1343

QY 593 TATTTGCTATGCTACGTCCTCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTA 652
DB 1344 TGGTCTCTGGTGTGCTGCTGGGCACTCCCTCAGAGCTATGTTGCTGCCAGATTCATAAGT 1403

QY 653 GACAGGAGGAAGAGATGGATAAAGCAGATGTTTATTTGGGSCATTCCTTATCCAGCTA 712
DB 1404 CCTTTGGAGGTGAGAAGTGGAAGGAAACAAATGTTTATTAACATCATTTCTTTGCTCGGA 1463

QY 713 TGGTGTGGCACTGCCCTTCTTCATCAATTTTCATAGCCATTTATACCATGTTTCAAGAG 772
DB 1464 TTGATTTTGTCTGACTTCTTTAATGAAATCTGATCCTCTGGGGAGAAGGATCTTCAGCAG 1523

QY 773 CCATTTCTTTTGGAAACATGTTGGCCGTTTGTGTCATCTGTTTTTTTGTATTTCTTCTC 832
DB 1524 CTATTTCTTTTGGGACACTGGTTGGCATTTTGGCCCTTTGGTTCTGCAATCTGTGCTC 1583

QY 833 TAAATCTTTGTTGGTACAATACTTGGCCGAAATCTGTACAGGTGAGCCCAACTTTTCTTGT 892
DB 1584 TGACGTTTATTTGGTGCATACTTTGGTTTAAAGAGAAATGCCATTGAACAC---CCAGTTC 1640

QY 893 GTGTCAATGCTGTGCTCTCTATACCGGAGAAAAAATGGTTTCATGAGCCTCGGGTTA 952
DB 1641 GAACCAATCAGATTTCCACGTCAGATTCCTGAACAGTCTGTTCTACACGAAGCCCTTGCCTG 1700

QY 953 TTGTTTGGCTGGTGAATTTTACCTTTTGGTTTCAATCTTTTATGAAATGATTTTCATCT 1012
DB 1701 GTATTATCATGGGAGGATTTTGGCCCTTGGCTGCACTTTTATACAACTTTTCTTCTATTC 1760

QY 1013 TCAGCTCTTTCTGGGCATATAGATCTATTATGCTATGGCTTCATGATGCTGCTGG 1072
```

Db 1761 TGAATAGTATTGGTCACACAGATGATATTACATGTTTGGCTTCTCTATTTCTGGTGTTA 1820  
Qy 1073 TTATCCTGTGCAATGTGACTGTCTGTGTGACTATGTGTGACATATATTTTCTACTAAATG 1132  
Db 1821 TCATTTTGGTATTACCTGTTCTGAAGCAACTATACCTTCTTTTGTCTATTTCCACCTATGTG 1880  
Qy 1133 CAGAAGATTACCGTGGCAATGGACAAGTTTCTCTCTGTGCAATCAACTGCAATCTATG 1192  
Db 1881 CAGAGGATTATCATTTGGCAATGGCGTTTCATTCCTTACGAGTGGCTTTTACTGCACTTTATT 1940  
Qy 1193 TTTACATGATATTCCTTTTACTACTATTTTTCAAAAACAAGATGTATGGCTTATTTCAAA 1252  
Db 1941 TCTTAATCTATGAGTACACTACTTCTTTTCAAACTGCAGATCACGGGAACCAAGCA 2000  
Qy 1253 CATCATTTTACTTTGGATATATGCGGTATT 1283  
Db 2001 CAATTCGTACTTTGGTTATACCATGATAAT 2031

RESULT 8  
US-08-959-004-6  
; Sequence 6, Application US/08959004  
; Patent No. 6197543  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Yue, Henry  
; APPLICANT: Corley, Neil C.  
; APPLICANT: Lal, Preeti  
; APPLICANT: Shah, Purvi  
; APPLICANT: Kaser, Matthew  
; TITLE OF INVENTION: HUMAN VESICLE MEMBRANE PROTEIN-LIKE  
; TYPE OF INVENTION: PROTEINS  
; NUMBER OF SEQUENCES: 11  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/959,004  
; FILING DATE: Herewith  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0414 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-855-0555  
; TELEFAX: 650-845-4166  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2805 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: ADRETUT06  
; CLONE: 2822412  
; US-08-959-004-6

Query Match 15.9%; Score 209; DB 3; Length 2805;  
Best Local Similarity 52.1%; Pred. No. 1.7e-44;

Matches 548; Conservative 0; Mismatches 485; Indels 18; Gaps 3;  
Qy 236 AATATCTTGTATCGGTCTCTCTTTTCAACATCGGATTCATTTGGTTTTTCAATTTTCAACTCCT 295  
Db 1044 ACTATATTCTGGAGTCTATGCCTCATACCCACATTCAGTGGTTTGTAGCATTATGAATCCC 1103  
Qy 296 TCATGATGGTGAATCTCTTGGTGGCTTAGTTTCAATGATTTTAAATGAGAAATTAAGAA 355  
Db 1104 TGGTCATTTGTTCTCTTCTTATCTGGAATGGTAGCTATGATTTATCTACGGACACTGCACA 1163  
Qy 356 AAGATTTATGTCCTGATCAGTAAGAGAGAAATGGATGATATGATGATAGACCTAGGAG 415  
Db 1164 AAGATTTATGCTAGATATAATCAGATGGACTCTACGGAAGATGCCAG-----G 1211  
Qy 416 ATGAATATGGATGGAAACAGGTGCATGGAGATGATTTTATAGACCATCAAGTCACCCACTGA 475  
Db 1212 AAGAAATTTGGCTGGAAACTTTTTCATGCTGATATATTCGGTCCCTCCAAGAAAGGGATGC 1271  
Qy 476 TATTTTCTCTCTGATTTGGTTCGGATGTCAGATATTTTGTGTGTCTCTCATCTTATTA 535  
Db 1272 TGCTATCAGTCTTTTCTAGGATCCGGGACACAGATTTTAAATATGACCTTTGTGACTCTAT 1331  
Qy 536 TTGTTGCAATGATAGAAATTTTATATACTG--AGAGGGGATCAATGCTCAGTACAGCA 592  
Db 1332 TTTTGGCTTGGCTGGGATTTTGTCCCTGCCAACCGAGAGCGCTGATGAGTGTGCTG 1391  
Qy 593 TATTTGTCTATGCTGTACGTCCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTA 652  
Db 1392 TGGTCTGTGGTGTCTGCTGGGACCCCTCAGGCTATTTGCTGCCAGATTCCTATAAGT 1451  
Qy 653 GACAGAGGAAGAGATGGATAAGCAGATGTTTATTTGGGGCATTCCTTATCCAGCTA 712  
Db 1452 CCTTTGGAGGTGAGAGTGGAAAACAAATGTTTTTAAATCATCATTTCTTTGTCTCGGA 1511  
Qy 713 TGGTGTGTGCACTGCTCTCTCATCAATTTTATAGCCATTTTATACCATGCTTCAAGAG 772  
Db 1512 TTGTATTTGTGACTTCTTTATTAATGAATCTGATCTCTCGGGAGAGAGATCTTCAGCAG 1571  
Qy 773 CCATTTCTTTTGGAAATGGTGGCGCTTTTGTGCAATCTGTCTTTTGTATTTCTTCTC 832  
Db 1572 CTATTTCTTTTGGACACTGGTTGCCATATATGGCCCTTTGGTCTGCAATCTCTGCTC 1631  
Qy 833 TAAATCTTTGTGTACATATCTTTGGCGGAAATCTGTGAGTCAAGTCAAGTCTTCTTCTGTC 892  
Db 1632 TGACGTTTATTTGGTGCATCTTTTGGTTTAAAGAAATGCCATTTGAACAC---CCAGTTC 1688  
Qy 893 GTGTCAATGCTGTGCTGCTCTATACCGAGAAAAAATGGTTCATGAGCTCGCGTTA 952  
Db 1689 GAACCAATCAGATTCACGTCAGATTCCTGACAGTCTGTCTACACGAAGCCCTTGGCTG 1748  
Qy 953 TTGTTTGCCTGGGTGGAAATTTTACCTTTTGGTTCAATCTTTTATTTGAAATGTAATTCATCT 1012  
Db 1749 GTATTATCATGGGAGGATTTTGGCTTGGCTGCACTTTTATACAACTTTTCTTCAATTC 1808  
Qy 1013 TCAGGCTTTTCTGGGCATATAAGATCTATTTATGCTATGGCTTCATGATGCTGTGCTGG 1072  
Db 1809 TGAATAGTATTTGGTCAACACAGATGATTTACATGTTTGGCTTCTCTATTTTGTGTTTA 1868  
Qy 1073 TTATCTGTGCAATTTGTGACTGTCTGTGACTATTTGTGTGCACATATTTTCTACTAAATG 1132  
Db 1869 TCATTTTGGTTATTACCTGTTCTGAAGCAACTATCTTCTTTGCTATTTCCACCTATGTG 1928  
Qy 1133 CAGAAGATTACCGTGGCAATGGCAAGTTTCTCTCTGTGTCATCAACTGCAATCTATG 1192  
Db 1929 CAGAGGATTATCATTTGGCAATGGGTTCAATCTTACGAGTGGCTTTTACTGCAGTTTATT 1988  
Qy 1193 TTTACATGATTTCTTTTACTACTATTTTTCAAAAACAAGATGTATGGCTTATTTCAAA 1252  
Db 1989 TCTTAATCTATGCAGTACACTACTTCTTTTCAAAACTGCAGATCACGGGAACCAAGCA 2048  
Qy 1253 CATCATTTTACTTTTGGATATATGCGGTATT 1283  
Db 2049 CAATTCGTACTTTGGTTATACCATGATAAT 2079

Query Match	14.7%; Score 193; DB 3; Length 571;
Best Local Similarity	73.3%; Pred. No. 1.4e-40;
Matches 247; Conservative 0; Mismatches 90; Indels 0; Gaps 0;	
Qy	974 TACCTTTTGGTTCAAATCTTTTATGTAAATGTAATTTCAATCTTCACGCTCTTTCTGGGCATATA 1033
Db	1 TGCCCTTTGGATCCATCTTTCATTTAGAGATGACTTTCATCTTCACCTCTCTTCTGGCGGTACA 60
Qy	1034 AGATCTATTATGCTATAGGCTTCATGATGCTGGTGTCTGTTATCTCTGTGTCATGTGTGACTG 1093
Db	61 AGATCTACTACGCTCTACGGCTTCATGTTGCTGGTCTTTCAGCATCTCTGACTGTGGTCAACG 120
Qy	1094 TCTGTGTGACTATTTGTGTGCACATATTTTCTACTATAATGCAGAGATTACCGGTGGCAAT 1153
Db	121 TGTGGCTGCACCTCGTGTGCACCTACTTCTCTGTAATGCCAGGATTACCGATGGCAGT 180
Qy	1154 GGACAAGTTTTCTCTCTGCTGTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACT 1213
Db	181 GGACGAGTTTTCATGGCTGGCGGCTCCACGTCGATTTACGTTACGCGCTATTCCTCTCTATT 240
Qy	1214 ACTATTTTTTCAAACAAGAGTGTATGGCTTATTTCAAACATCATTTTACTTTTGGATATA 1273
Db	241 ACTTCTTCTTTAAACCAAAATGTTCTGGTCTGTTCCAAACGGCGCTTCTACTTTTGGGTACA 300
Qy	1274 TGGCGGTATTTAGCACAGCCTTGGGGATAATGTGCG 1310
Db	301 TGGCACTCTTCAGCGCGGCTTTGGGCATTATCTGCGG 337



Db 99 GGACGCTGTTCTTCTCTGAGCGTCAACCGCTCTGCTGCTATCTGCTACTCCATCTACT 158  
Qy 1214 ACTATTTTCAAAACAAGATGATGGCTTATTTTCAACATCATTTTACTTTTGAATATA 1273  
Db 159 ACTACCATGTGAAGACAAGATGTGAGGCTTCTCCAGACAAGTTTCTATTTGCGCTACA 218  
Qy 1274 TGGCGGTATTAGCACAGCCTTGGGGATAATGTGTGGAGCGATT 1317  
Db 219 CGCTGATGTTCTGC-CTGGCTAGGCATCATTTTGTGGAGCTATT 261

RESULT 14  
US-09-385-982-530/c  
; Sequence 530, Application US/09385982  
; Patent No. 6262334  
; GENERAL INFORMATION:  
; APPLICANT: ENDEGE, WILSON O., ET AL.  
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION  
; FILE REFERENCE: CCNA-260XX  
; CURRENT APPLICATION NUMBER: US/09/385,982  
; PRIOR FILING DATE: 1999-08-30  
; EARLIER APPLICATION NUMBER: 09/328,111  
; EARLIER FILING DATE: 1999-06-08  
; EARLIER APPLICATION NUMBER: 60/117,393  
; EARLIER FILING DATE: 1999-01-27  
; EARLIER APPLICATION NUMBER: 60/098,639  
; EARLIER FILING DATE: 1998-08-31  
; NUMBER OF SEQ ID NOS: 544  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 530  
; LENGTH: 769  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)-(769)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-385-982-530

Query Match 7.0%; Score 91.6; DB 3; Length 769;  
Best Local Similarity 57.0%; Pred. No. 4.8e-14;  
Matches 166; Conservative 0; Mismatches 125; Indels 0; Gaps 0;  
Qy 905 TGCCTGCTCTATACCGAGAAAAATGGTTCATGAGCGCTGCGGTATTTGTTGCTGG 964  
Db 308 TCCACNGTCAGATTCCTGACAGTGGTTCATACAGAGCCCTTGCTGGTATTATCATGG 249  
Qy 965 GTGGAAATTTTACCTTTTGGTTCAATCTTATTGAAATGATTTTCACTTTCAAGTCTTCT 1024  
Db 248 GAGGAAATTTTGGCTTTGGCTGCACTTTTATACAACTTTTCTTCAATCTGAATAGTATT 189  
Qy 1025 GGGCATATAAGATCTATTATGCTATGCTTCATGATGCTGCTGCTGTTATCTCTGTGCA 1084  
Db 188 GGTACACACAGATGATTTACATGTTTGGCTTCTTATTTCTGGTGTTCATCTTTGGTTA 129  
Qy 1085 TTGTGACTGTCTGTGTGATGATTTGTGTGCAATATTTTCTACTAATGCAAGATTTACC 1144  
Db 128 TTACCTGTCTGAGCAACTATATCTTTTGTGATTTTCCACCTATGTGCAGAGGATTATC 69  
Qy 1145 GTGGCAATGGACAAGTTTCTCTCTGCTGATCACTCACTCACTCACTCACTTTT 1195  
Db 68 ATTGGCAATGGCTTCTTCTTACGAGTGGCTTTTACTGCGAGTTTATTTCT 18

RESULT 15  
US-09-513-999C-3502  
; Sequence 3502, Application US/09513999C  
; Patent No. 6783961  
; GENERAL INFORMATION:  
; APPLICANT: Dumas Milne Edwards, J.B.  
; APPLICANT: Duclert, A.

; APPLICANT: Giordano, J.Y.  
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.  
; Patent No. 6783961  
; FILE REFERENCE: 59.US2.REG  
; CURRENT APPLICATION NUMBER: US/09/513,999C  
; CURRENT FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/122,487  
; PRIOR FILING DATE: 1999-02-26  
; NUMBER OF SEQ ID NOS: 36681  
; SOFTWARE: Patent.pm  
; SEQ ID NO 3502  
; LENGTH: 433  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 100..432  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: 86  
; OTHER INFORMATION: m=a or c  
US-09-513-999C-3502  
Query Match 5.5%; Score 73; DB 3; Length 433;  
Best Local Similarity 100.0%; Pred. No. 2.8e-09;  
Matches 73; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 ATGTACATAGATGATTTTACCAATATGGGGTATTTGTTGGTGAGGCTGATGAAAAATGGAGAA 60  
Db 361 ATGTACATAGATGATTTTACCAATATGGGGTATTTGTTGGTGAGGCTGATGAAAAATGGAGAA 420  
Qy 61 GATTACTATCTTT 73  
Db 421 GATTACTATCTTT 433  
Search completed: December 13, 2005, 14:52:00  
Job time : 248.063 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 13, 2005, 14:39:49 ; Search time 1137.85 Seconds  
(without alignments)  
9571.352 Million cell updates/sec

Title: US-09-319-724B-2

Perfect score: 1317

Sequence: 1 atgtacatagatgattacc.....ggataatgtggagcgatt 1317

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA Main:  
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8: /cgn2\_6/ptodata/1/pubpna/US10D\_PUBCOMB.seq.\*  
9: /cgn2\_6/ptodata/1/pubpna/US10E\_PUBCOMB.seq.\*  
10: /cgn2\_6/ptodata/1/pubpna/US11\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	1317	100.0	1827	8	US-10-755-466-3
2	1317	100.0	2072	8	US-10-755-466-1
3	1317	100.0	3076	3	US-09-915-582-29
4	1317	100.0	3076	6	US-10-277-802-29
5	1317	100.0	3076	8	US-10-896-972-29
6	1317	100.0	3508	3	US-09-814-353-21837
7	1317	100.0	4024	5	US-10-198-846-10005
8	1315.4	99.9	3370	3	US-09-374-046A-25
9	1315.4	99.9	3370	7	US-10-616-263-25
10	1226	93.1	3389	6	US-10-205-219-122
11	1226	93.1	3389	9	US-10-956-157-2297
12	1226	93.1	3389	9	US-10-287-436A-335
13	709.6	53.9	6197	6	US-10-062-674-1697
14	590.4	44.8	1070	6	US-10-264-237-1414
15	537.4	40.8	560	7	US-10-242-535A-2630
16	537.4	40.8	560	7	US-10-085-783A-2630
17	512.4	38.9	4163	10	US-11-097-143-22276
18	502	38.1	1863	10	US-11-097-143-22277
19	499	37.9	1899	7	US-10-437-963-39405
20	492.6	37.4	1867	3	US-09-915-582-13
21	492.6	37.4	1867	6	US-10-277-802-13
22	492.6	37.4	1867	8	US-10-896-972-13
23	491.6	37.3	2039	7	US-10-425-114-26742

24	491.6	37.3	2068	8	US-10-425-115-101961	Sequence 101961,
25	483.6	36.7	2355	8	US-10-739-930-4365	Sequence 4365, Ap
26	481.8	36.6	2406	7	US-10-437-963-14430	Sequence 14430, A
c 27	473.2	35.9	545	9	US-10-287-436A-887	Sequence 887, App
c 28	473.2	35.9	545	9	US-10-287-436A-1419	Sequence 1419, Ap
29	472.4	35.9	2461	8	US-10-425-115-140808	Sequence 140808,
30	461.4	35.0	2698	8	US-10-425-115-140919	Sequence 140919,
31	454.4	34.5	2152	7	US-10-767-701-12720	Sequence 12720, A
32	449.6	34.1	2316	7	US-10-437-963-658	Sequence 658, App
33	416.4	31.6	419	3	US-09-918-995-3956	Sequence 3956, Ap
34	409.6	31.1	497	3	US-09-969-034-1724	Sequence 1724, Ap
c 35	406.4	30.9	1535	8	US-10-425-115-21677	Sequence 21677, A
c 36	406.2	30.8	459	6	US-10-062-674-445	Sequence 445, App
37	365.6	27.8	455	6	US-10-002-631C-133	Sequence 133, App
38	365.6	27.8	455	6	US-10-002-631C-134	Sequence 134, App
39	291.4	22.1	418	9	US-10-779-543-11907	Sequence 11907, A
40	284.2	21.6	731	7	US-10-333-184-388	Sequence 388, App
41	280.4	21.3	2032	8	US-10-425-115-21679	Sequence 21679, A
42	276.6	21.0	2748	7	US-10-424-599-103451	Sequence 103451,
43	274.4	20.8	1033	7	US-10-425-114-16392	Sequence 16392, A
44	273.8	20.8	529	5	US-10-198-846-11456	Sequence 11456, A
45	262.6	19.9	600	7	US-10-021-323-3365	Sequence 3365, Ap

## ALIGNMENTS

RESULT 1  
US-10-755-466-3  
; Sequence 3, Application US/10755466  
; Publication No. US20040265854A1  
; GENERAL INFORMATION:  
; APPLICANT: HIDAKA, Jun et al.  
; TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING L  
; FILE REFERENCE: 0020-4827P  
; CURRENT APPLICATION NUMBER: US/10755.466  
; CURRENT FILING DATE: 2004-01-13  
; PRIOR APPLICATION NUMBER: US/09/786,681  
; PRIOR FILING DATE: 2001-04-30  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 3  
; LENGTH: 1827  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (11)..(1747)  
US-10-755-466-3

Query Match	100.0%	Score 1317;	DB 8;	Length 1827;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 1317;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	ATGTACATAGATGATTTTACCAATATGGGTATTGTTGGTGAGGCTGTGATAAATCGAGAA	60	
Db	374	ATGTACATAGATGATTTTACCAATATGGGTATTGTTGGTGAGGCTGTGATAAATCGAGAA	433	
Qy	61	GATTACTATCTTTGGACCTATATAAACTTGAATAAGTGTGTTTAAATGGAATCGAATTGTT	120	
Db	434	GATTACTATCTTTGGACCTATATAAACTTGAATAAGTGTGTTTAAATGGAATCGAATTGTT	493	
Qy	121	GATGTTAATCTAACTAGTGAAGGAAGGTGAACCTGGTTCCAATCTAAATCCAGATG	180	
Db	494	GATGTTAATCTAACTAGTGAAGGAAGGTGAACCTGGTTCCAATCTAAATCCAGATG	553	
Qy	181	TCATATTTCAGTAAATGGAAGGTTCAGATCTGAAATTTGAAGATCGAATTTGACAAATAT	240	
Db	554	TCATATTTCAGTAAATGGAAGGTTCAGATCTGAAATTTGAAGATCGAATTTGACAAATAT	613	
Qy	241	CTTGATCCGTCCTTTTTCACATCCGGATTCATTGGTTTCAATTTTCAACTCTTCATG	300	





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1141 GGCACCTGCTCTTCTCATCAATTTTATAGCATTATTTATACCATGCTTCAAGAGCCATTCT 1200  
781 TTTGGAACAATGGTGGCCGCTTTGTTGTCATCTGTTTTTTTGGTTTATTTCTTCTCTAAATCTT 840  
1201 TTTGGAACAATGGTGGCCGCTTTGTTGTCATCTGTTTTTTTGGTTTATTTCTTCTCTAAATCTT 1260  
841 GTTGTGACAACTTGGCCGGAATCTGTCAGGTGACGCCCAACTTTCCTTGTGCTGTCAT 900  
1261 GTTGTGACAACTTGGCCGGAATCTGTCAGGTGACGCCCAACTTTCCTTGTGCTGTCAT 1320  
901 GCTGTGCTCTGCTCTATACCGGAGAAAAATGGTTTCATGGAGCCCTGCGGTATTTGTTTGC 960  
1321 GCTGTGCTCTGCTCTATACCGGAGAAAAATGGTTTCATGGAGCCCTGCGGTATTTGTTTGC 1380  
961 CTGGGTGGAATTTACCTTTTGGTTTCAATCTTTTATGAAATGTAATTTCAATCTTCAAGTCT 1020  
1381 CTGGGTGGAATTTACCTTTTGGTTTCAATCTTTTATGAAATGTAATTTCAATCTTCAAGTCT 1440  
1021 TTCTGGGCATATAAGATCTATTTATGTCATGCTTTCATGATGCTGGTGTGCTGTTATCTCG 1080  
1441 TTCTGGGCATATAAGATCTATTTATGTCATGCTTTCATGATGCTGGTGTGCTGTTATCTCG 1500  
1081 TGCAATTTGACGTCTGCTGACTATTGTTGTCACATATTTTCTACTAAATGCAAGAT 1140  
1501 TGCAATTTGACGTCTGCTGACTATTGTTGTCACATATTTTCTACTAAATGCAAGAT 1560  
1141 TACCGGTGGCAATGGACAAATTTTCTCTGCTGATCAATGCAATCTATGTTTACATG 1200  
1561 TACCGGTGGCAATGGACAAATTTTCTCTGCTGATCAATGCAATCTATGTTTACATG 1620  
1201 TATTCCTTTTACTACTATTTTTCAAAACAAGATGATGGCTTATTTTCAAAACATCATTT 1260  
1621 TATTCCTTTTACTACTATTTTTCAAAACAAGATGATGGCTTATTTTCAAAACATCATTT 1680  
1261 TACTTTGGATATATGGCGTATTTAGCACAGCCTTTGGGATATAATGTTGGAGCGATT 1317  
1681 TACTTTGGATATATGGCGTATTTAGCACAGCCTTTGGGATATAATGTTGGAGCGATT 1737

RESULT 3

US-09-915-582-29  
; Sequence 29, Application US/09915582  
; Patent No. US20020120103A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 17 Human Secreted Proteins  
; FILE REFERENCE: PS723P1  
; CURRENT APPLICATION NUMBER: US/09/915,582  
; CURRENT FILING DATE: 2001-07-27  
; PRIOR APPLICATION NUMBER: PCT/US01/01431  
; PRIOR FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: 60/179,065  
; PRIOR FILING DATE: 2000-01-31  
; PRIOR APPLICATION NUMBER: 60/180,628  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: 60/231,968  
; PRIOR FILING DATE: 2000-09-12  
; NUMBER OF SEQ ID NOS: 97  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 29  
; LENGTH: 3076  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (3064)  
; OTHER INFORMATION: n equals a,t,g, or c

US-09-915-582-29 Query Match 100.0%; Score 1317; DB 3; Length 3076;

Best Local Similarity 100.0%; Pred. No. 0;  
Matches 1317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 ATGTACATAGATGATTTACCAATATATGGGGTATTTGGTGGAGCTGATGAAAAATGGAGAA 60  
DB 352 ATGTACATAGATGATTTACCAATATATGGGGTATTTGGTGGAGCTGATGAAAAATGGAGAA 411  
QY 61 GATTACTATCTTTGGACCTATAAAAAACCTTGAATAAGTGTGTTTAAATGGAATCGAATGTT 120  
DB 412 GATTACTATCTTTGGACCTATAAAAAACCTTGAATAAGTGTGTTTAAATGGAATCGAATGTT 471  
QY 121 GATGTTAATCTAACTAGTGAAGGAAAGTGAACCTGGTTCCAAATATCTAAAAATCCAGATG 180  
DB 472 GATGTTAATCTAACTAGTGAAGGAAAGTGAACCTGGTTCCAAATATCTAAAAATCCAGATG 531  
QY 181 TCATATTTCAGTAAATGAAAAAGTCAGATGTGAATTTGAAGATCGATTTCACAAATAT 240  
DB 532 TCATATTTCAGTAAATGAAAAAGTCAGATGTGAATTTGAAGATCGATTTCACAAATAT 591  
QY 241 CTTGATCCGTCCTTTTCAACATCGGATTCATTGGTTTCAATTTTCAACTCCTTTCATG 300  
DB 592 CTTGATCCGTCCTTTTCAACATCGGATTCATTGGTTTCAATTTTCAACTCCTTTCATG 651  
QY 301 ATGTGTATCTTCTTGGTGGGCTTACTTTCAATGATTTTAAATGAGAACAATTAAGAAAAAGAT 360  
DB 652 ATGTGTATCTTCTTGGTGGGCTTACTTTCAATGATTTTAAATGAGAACAATTAAGAAAAAGAT 711  
QY 361 TATGCTCGGTACAGTAAAGAGAGAAATGAGATGATGGATAGAGACCTTAGAGAGATGAA 420  
DB 712 TATGCTCGGTACAGTAAAGAGAGAAATGAGATGATGGATAGAGACCTTAGAGAGATGAA 771  
QY 421 TATGATGGAACAGGTGTCATGGAGATCTATTTAGACCATCAAGTCACCCACCTGATATTT 480  
DB 772 TATGATGGAACAGGTGTCATGGAGATCTATTTAGACCATCAAGTCACCCACCTGATATTT 831  
QY 481 TCCTCTCTGATTTGGTTCTGGATGTCAGATATTTGCTGTCTCTCATCGTTATTTATTTGTT 540  
DB 832 TCCTCTCTGATTTGGTTCTGGATGTCAGATATTTGCTGTCTCTCATCGTTATTTATTTGTT 891  
QY 541 GCAATGATAGAGATTTATATCTAGAGAGGGATCAATGCTCAGTACAGCCATATTTGTC 600  
DB 892 GCAATGATAGAGATTTATATCTAGAGAGGGATCAATGCTCAGTACAGCCATATTTGTC 951  
QY 601 TATGCTGCTAGCTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGA 660  
DB 952 TATGCTGCTAGCTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGA 1011  
QY 661 GGAAGGATGGAATAAAGCAGATGTTTATTTGGGGCATTCCTTTATCCAGCTATGTTGTTG 720  
DB 1012 GGAAGGATGGAATAAAGCAGATGTTTATTTGGGGCATTCCTTTATCCAGCTATGTTGTTG 1071  
QY 721 GGCACCTGCTTCTCATCAATTTTCAAGCCATTTATACCATGCTTCAAGAGCCATTCCT 780  
DB 1072 GGCACCTGCTTCTCATCAATTTTCAAGCCATTTTATACCATGCTTCAAGAGCCATTCCT 1131  
QY 781 TTTGGAACAATGGTGGCCGCTTTGTTGTCATCTGTTTTTTTGGTTTATTTCTTCTCTAAATCTT 840  
DB 1132 TTTGGAACAATGGTGGCCGCTTTGTTGTCATCTGTTTTTTTGGTTTATTTCTTCTCTAAATCTT 1191  
QY 841 GTTGTGACAACTTGGCCGGAATCTGTCAGGTGACGCCCAACTTTCCTTGTGCTGTCAT 900  
DB 1192 GTTGTGACAACTTGGCCGGAATCTGTCAGGTGACGCCCAACTTTCCTTGTGCTGTCAT 1251  
QY 901 GCTGTGCTCTGCTCTATACCGGAGAAAAATGGTTTCATGGAGCCCTGCGGTATTTGTTTGC 960  
DB 1252 GCTGTGCTCTGCTCTATACCGGAGAAAAATGGTTTCATGGAGCCCTGCGGTATTTGTTTGC 1311  
QY 961 CTGGGTGGAATTTTACCTTTTGGTTTCAATCTTTATTTGAATGTAATTTTCAATCTTCAAGTCT 1020  
DB 1312 CTGGGTGGAATTTTACCTTTTGGTTTCAATCTTTATTTGAATGTAATTTTCAATCTTCAAGTCT 1371  
QY 1021 TTCTGGGCATATAAGATCTATTTATGCTTATGGCTTTCATGATGCTGGTGTGTTATCTCTG 1080

Db 1372 TTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGGTATCCTG 1431  
Qy 1081 TGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGAT 1140  
Db 1432 TGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGAT 1491  
Qy 1141 TACCGGTGGCAATGGACAAAGTTTCTCTCTCTGCTGATCACTGAATCTATGTTTACATG 1200  
Db 1492 TACCGGTGGCAATGGACAAAGTTTCTCTCTCTGCTGATCACTGAATCTATGTTTACATG 1551  
Qy 1201 TATTCCCTTTTACTACTATTATTTTCAAAACAAGATGTATGGCTTATTTCAAAACATCAATT 1260  
Db 1552 TATTCCCTTTTACTACTATTATTTTCAAAACAAGATGTATGGCTTATTTCAAAACATCAATT 1611  
Qy 1261 TACTTTGGATATATGGCGGTATTTAGCACACCCCTTGGGGATAAATGTGTGGAGCGATT 1317  
Db 1612 TACTTTGGATATATGGCGGTATTTAGCACACCCCTTGGGGATAAATGTGTGGAGCGATT 1668

## RESULT 4

US-10-277-802-29  
; Sequence 29, Application US/10277802  
; Publication No. US20030190707A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 17 Human Secreted Proteins  
; FILE REFERENCE: PS723P1  
; CURRENT APPLICATION NUMBER: US/10/277,802  
; CURRENT FILING DATE: 2002-10-23  
; PRIOR APPLICATION NUMBER: 09/915,582  
; PRIOR FILING DATE: 2001-07-27  
; PRIOR APPLICATION NUMBER: PCT/US01/01431  
; PRIOR FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: 60/179,065  
; PRIOR FILING DATE: 2000-01-31  
; PRIOR APPLICATION NUMBER: 60/180,628  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: 60/231,968  
; PRIOR FILING DATE: 2000-09-12  
; NUMBER OF SEQ ID NOS: 97  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 29  
; LENGTH: 3076  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (3064)  
; OTHER INFORMATION: n equals a,t,g, or c

US-10-277-802-29

Query Match 100.0%; Score 1317; DB 6; Length 3076;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 1317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 ATGTACATAGATGATTTACCAATATGGGGTATTTGGTGAGGCTGATGAAATGGAGAA 60  
Db 352 ATGTACATAGATGATTTACCAATATGGGGTATTTGGTGAGGCTGATGAAATGGAGAA 411  
Qy 61 GATTACTATCTTTGGACCTATAAAAACCTTGAATAGGTTTTAATGGAATCGAATTTGTT 120  
Db 412 GATTACTATCTTTGGACCTATAAAAACCTTGAATAGGTTTTAATGGAATCGAATTTGTT 471  
Qy 121 GATGTTAATCTAAGTGTGAGGAAAGGTGAACTGGTTCCAAATCTAAATCCAGATG 180  
Db 472 GATGTTAATCTAAGTGTGAGGAAAGGTGAACTGGTTCCAAATCTAATCCAGATG 531  
Qy 181 TCATATTCAGTAAATGGAATAAGTCCAGATGTGAAATTTGAAATCGAATTTGACAAATAT 240  
Db 532 TCATATTCAGTAAATGGAATAAGTCCAGATGTGAAATTTGAAATCGAATTTGACAAATAT 591  
Qy 241 CTTCATCGTCTCTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATG 300

RESULT 5

US-10-896-972-29

; Sequence 29, Application US/10896972  
; Publication No. US20050032168A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 17 Human Secreted Proteins  
; FILE REFERENCE: PS723P1  
; CURRENT APPLICATION NUMBER: US/10/896,972  
; CURRENT FILING DATE: 2004-07-23  
; PRIOR APPLICATION NUMBER: US/09/915,582  
; PRIOR FILING DATE: 2001-07-27  
; PRIOR APPLICATION NUMBER: PCT/US01/01431  
; PRIOR FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: 60/179,065  
; PRIOR FILING DATE: 2000-01-31  
; PRIOR APPLICATION NUMBER: 60/180,628  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: 60/231,968  
; PRIOR FILING DATE: 2000-09-12  
; NUMBER OF SEQ ID NOS: 97  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 29  
; LENGTH: 3076  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (3064)  
; OTHER INFORMATION: n equals a,t,g, or c  
US-10-896-972-29

Query Match		100.0%;	Score 1317;	DB 8;	Length 3076;
Best Local Similarity		100.0%;	Pred. No. 0;		
Matches 1317;		Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	ATGTACATAGATGATTACCAATATGGGGTATTTGGTGAGCGCTGATGAAATGGAGAA	60		
Db	352	ATGTACATAGATGATTACCAATATGGGGTATTTGGTGAGCGCTGATGAAATGGAGAA	411		
Qy	61	GATTACTATCTTTGGACCTATAAAAACTTGAATAGGTTTTTAATGGAAATCGAATCTTT	120		
Db	412	GATTACTATCTTTGGACCTATAAAAACTTGAATAGGTTTTTAATGGAAATCGAATCTTT	471		
Qy	121	GATGTTAATCTAACTAGTGAAGAAAGGTGAACTGGTTCCAAATACATAAAATCCAGATG	180		
Db	472	GATGTTAATCTAACTAGTGAAGAAAGGTGAACTGGTTCCAAATACATAAAATCCAGATG	531		
Qy	181	TCATATTCAGTAAATGGAAAGTCAAGTGAATTTGAAGATCGAATTTGACAAATAT	240		
Db	532	TCATATTCAGTAAATGGAAAGTCAAGTGAATTTGAAGATCGAATTTGACAAATAT	591		
Qy	241	CTTGATCCGTCCTTTTCAACATCGGATTCATTTGGTTTTCAATTTTCAACTCCTTCATG	300		
Db	592	CTTGATCCGTCCTTTTCAACATCGGATTCATTTGGTTTTCAATTTTCAACTCCTTCATG	651		
Qy	301	ATGTTGATCTTCTGGTGGGCTTAGTTTCAATGATTTTAATGAGAAACATTAAAGAAAGAT	360		
Db	652	ATGTTGATCTTCTGGTGGGCTTAGTTTCAATGATTTTAATGAGAAACATTAAAGAAAGAT	711		
Qy	361	TATGCTCGGTACAGTAAAGAGAAATGATGATGATGATGATGATGATGATGATGATGATG	420		
Db	712	TATGCTCGGTACAGTAAAGAGAAATGATGATGATGATGATGATGATGATGATGATGATG	771		
Qy	421	TATGATGGAACAGGTCCATGAGATGATTTATGACCATCAAGTCACCCACTGATTTT	480		
Db	772	TATGATGGAACAGGTCCATGAGATGATTTATGACCATCAAGTCACCCACTGATTTT	831		
Qy	481	TCCTCTCTGATTTCTGGATGTGATGATTTGCTGTCTCTCATCGTTATTATTTT	540		
Db	832	TCCTCTCTGATTTCTGGATGTGATGATTTGCTGTCTCTCATCGTTATTATTTT	891		
Qy	541	GCAATGATGAGATTTATATATCTGAGAGGGGATCAATGCTCAGTACAGCCATTTTGTG	600		
Db	892	GCAATGATGAGATTTATATATCTGAGAGGGGATCAATGCTCAGTACAGCCATTTTGTG	951		

Qy	601	TATGCTGCTACGTCCTCCAGTGAAATGGTTATTTTGGAGGAAGTCTCTATGCTAGACAAGA	660
Db	952	TATGCTGCTACGTCCTCCAGTGAAATGGTTATTTTGGAGGAAGTCTCTATGCTAGACAAGA	1011
Qy	661	GGAAGGAGATGATAAAGCAGATGTTTATTTGGGCAATTCCTTTATCCAGCTATGGTGTG	720
Db	1012	GGAAGGAGATGATAAAGCAGATGTTTATTTGGGCAATTCCTTTATCCAGCTATGGTGTG	1071
Qy	721	GGCACTGCTCTTCTCATCAATTTTATAGCCATTTATACCATGCTTCAAGAGCCATTCCT	780
Db	1072	GGCACTGCTCTTCTCATCAATTTTATAGCCATTTATACCATGCTTCAAGAGCCATTCCT	1131
Qy	781	TTTGGAAACAATGGTGGCGGTTTGGTGCATCTGTTTTTTTGGTATTTCTCTCTAAATCTT	840
Db	1132	TTTGGAAACAATGGTGGCGGTTTGGTGCATCTGTTTTTTTGGTATTTCTCTCTAAATCTT	1191
Qy	841	GTTGGTACAATACATTGGCCGAAATCTGTCAAGTCAGCCCAACTTTCTTGTGCTGCAAT	900
Db	1192	GTTGGTACAATACATTGGCCGAAATCTGTCAAGTCAGCCCAACTTTCTTGTGCTGCAAT	1251
Qy	901	GCTGTGCTCTCTCTATACCGAGAGAAAAATGGTTTCATGGAGCCCTGGGTTATTTTGG	960
Db	1252	GCTGTGCTCTCTCTATACCGAGAGAAAAATGGTTTCATGGAGCCCTGGGTTATTTTGG	1311
Qy	961	CTGGTGGAATTTTACCTTTTGGTTCATCTTTTATTTGAAATGTAATTTTCATCTTCAAGCT	1020
Db	1312	CTGGTGGAATTTTACCTTTTGGTTCATCTTTTATTTGAAATGTAATTTTCATCTTCAAGCT	1371
Qy	1021	TTCTGGGCATATAAGATCTATTATGTCATGGCTTCATGCTGCTGGTGTGCTTATTCCTG	1080
Db	1372	TTCTGGGCATATAAGATCTATTATGTCATGGCTTCATGCTGCTGGTGTGCTTATTCCTG	1431
Qy	1081	TGCATTGTGACTGCTGTGCACTATTGTGTGCACTATTTTCTACTATAATGCAAGAT	1140
Db	1432	TGCATTGTGACTGCTGTGCACTATTGTGTGCACTATTTTCTACTATAATGCAAGAT	1491
Qy	1141	TACCGTGGCAATGGACAAGTTTCTCTCTGCTGCACTCAACTGCAATCTATGTTTACATG	1200
Db	1492	TACCGTGGCAATGGACAAGTTTCTCTCTGCTGCACTCAACTGCAATCTATGTTTACATG	1551
Qy	1201	TATTCCTTTTACTACTATTTTTCAAAAACAAGATGTATGGCTTATTTTCAAAACATCATTT	1260
Db	1552	TATTCCTTTTACTACTATTTTTCAAAAACAAGATGTATGGCTTATTTTCAAAACATCATTT	1611
Qy	1261	TACTTTGATATATGGCGGTATTTAGCACAGCTTTGGGGATAATGTGTGGAGCGATT	1317
Db	1612	TACTTTGATATATGGCGGTATTTAGCACAGCTTTGGGGATAATGTGTGGAGCGATT	1668

RESULT 6

US-09-814-353-21837  
; Sequence 21837, Application US/09814353  
; Publication No. US20030165831A1  
; GENERAL INFORMATION:  
; APPLICANT: Lee, John  
; APPLICANT: Thompson, Pamela  
; APPLICANT: Lillie, James  
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER  
; FILE REFERENCE: MRI-006B  
; CURRENT APPLICATION NUMBER: US/09/814,353  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: US 60/191,031  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: US 60/207,124  
; PRIOR FILING DATE: 2000-05-25  
; PRIOR APPLICATION NUMBER: US 60/211,940  
; PRIOR FILING DATE: 2000-06-15  
; PRIOR APPLICATION NUMBER: US 60/216,820  
; PRIOR FILING DATE: 2000-07-07  
; PRIOR APPLICATION NUMBER: US 60/220,661

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; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21837
; LENGTH: 3508
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1, 2, 3506, 3507, 3508
; OTHER INFORMATION: n = A,T,C or G
US-09-814-353-21837

Query Match      100.0%; Score 1317; DB 3; Length 3508;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGTATGAAATGGAGAA 60
Db 410 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGTATGAAATGGAGAA 469

Qy 61 GATTACTATCTTTGACCTATAAAACCTTGAATAGTGTATTAATGGNAATCGAATTGTT 120
Db 470 GATTACTATCTTTGACCTATAAAACCTTGAATAGTGTATTAATGGNAATCGAATTGTT 529

Qy 121 GATGTTAATCTAATCTAGTGAAGGAAGGTGAAACTGGTTTCAAAATCTTAAATCCAGATG 180
Db 530 GATGTTAATCTAATCTAGTGAAGGAAGGTGAAACTGGTTTCAAAATCTTAAATCCAGATG 589

Qy 181 TCATATTTCAGTAAATGGAAAAGTCAGATGTGAAATTTGAAAGATCGAATTGCAAAATAT 240
Db 590 TCATATTTCAGTAAATGGAAAAGTCAGATGTGAAATTTGAAAGATCGAATTGCAAAATAT 649

Qy 241 CTTGATCGCTCTTTTTCACATCGGATTCATTTGTTTCAATTTTCAATCTTCACTCTTCATG 300
Db 650 CTTGATCGCTCTTTTTCACATCGGATTCATTTGTTTCAATTTTCAATCTTCACTCTTCATG 709

Qy 301 ATGTTGATCTTTCTGGTGGCTTAGTTTCAATGATTTTAAATGAGAACTTAAGAAAAGAT 360
Db 710 ATGTTGATCTTTCTGGTGGCTTAGTTTCAATGATTTTAAATGAGAACTTAAGAAAAGAT 769

Qy 361 TATGCTCGGTACAGTAAAGAGAAAGAAATGATGATATGGATAGAGACCTTAGGAGATGAA 420
Db 770 TATGCTCGGTACAGTAAAGAGAAAGAAATGATGATATGGATAGAGACCTTAGGAGATGAA 829

Qy 421 TATGATGGAACACAGTGCATGGAGATGATTTAGACCATCAAGTCAACCACTGATATTT 480
Db 830 TATGATGGAACACAGTGCATGGAGATGATTTAGACCATCAAGTCAACCACTGATATTT 889

Qy 481 TCCTCTCTGATGGTCTTGGATGTGAGATATTTGCTGTCTCTCATCGTTATTATTGTT 540
Db 890 TCCTCTCTGATGGTCTTGGATGTGAGATATTTGCTGTCTCTCATCGTTATTATTGTT 949

Qy 541 GCAATGATAGAAGATTTATATACGTAGAGGGGATCAATGCTCAGTACAGCCATATTTGTC 600
Db 950 GCAATGATAGAAGATTTATATACGTAGAGGGGATCAATGCTCAGTACAGCCATATTTGTC 1009

Qy 601 TATGCTGCTAGTCTCCAGTGAATGTTATTTCGGAGAGTCTGTATGCTAGACCAAGGA 660
Db 1010 TATGCTGCTAGTCTCCAGTGAATGTTATTTCGGAGAGTCTGTATGCTAGACCAAGGA 1069

Qy 661 GGAAGGAGATGGATAAAGCAGATGTTTATTTGGGGCATTTCTTATCCAGCTATGGTGTG 720
Db 1070 GGAAGGAGATGGATAAAGCAGATGTTTATTTGGGGCATTTCTTATCCAGCTATGGTGTG 1129

Qy 721 GGCACTGCTTCTTCATCAATTTTATAGCCATTTTATACAGTCTTCAAGAGCCATTCCT 780
Db 1130 GGCACTGCTTCTTTCATCAATTTTATAGCCATTTTATACAGTCTTCAAGAGCCATTCCT 1189

Qy 781 TTTGGAACAATGGTGGCGTGTGTTGATCGTTTTTTTGTGTTATCTTCTCTAAATCTT 840
Db 1190 TTTGGAACAATGGTGGCGTGTGTTGATCGTTTTTTTGTGTTATCTTCTCTAAATCTT 1249

Qy 841 GTTGGTACAAATACCTTTGGCCGAAATCTGTACAGGTGAGCCCAACTTTTCCCTTGTGTCAT 900
Db 1250 GTTGGTACAAATACCTTTGGCCGAAATCTGTACAGGTGAGCCCAACTTTTCCCTTGTGTCAT 1309

Qy 901 GCTGTGCTCTGCTCTATACCGGAGAAAAATGGTTTCATGGAGCCTGGGGTTATTGTTGTC 960
Db 1310 GCTGTGCTCTGCTCTATACCGGAGAAAAATGGTTTCATGGAGCCTGGGGTTATTGTTGTC 1369

Qy 961 CTGGGTGGAATTTTACCTTTTGGTTCAATCTTTTATTTGAAATGATTTTCACTTACCGTCT 1020
Db 1370 CTGGGTGGAATTTTACCTTTTGGTTCAATCTTTTATTTGAAATGATTTTCACTTACCGTCT 1429

Qy 1021 TTTCTGGGCATATAAGATCTATTATGCTATGGCTTTCATGCTGCTGGTCTGTTTATCTCTG 1080
Db 1430 TTTCTGGGCATATAAGATCTATTATGCTATGGCTTTCATGCTGCTGGTCTGTTTATCTCTG 1489

Qy 1081 TGCATTTGATCTGCTCTGCTGACTATTGTTGTCACATATTTTCTTACTAAAATGCAAGAT 1140
Db 1490 TGCATTTGATCTGCTCTGCTGACTATTGTTGTCACATATTTTCTTACTAAAATGCAAGAT 1549

Qy 1141 TACCGGTGGCAATGGCAAGCTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATG 1200
Db 1550 TACCGGTGGCAATGGCAAGCTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATG 1609

Qy 1201 TATTCTCTTTTACTACTATTTTTCAAAAACAAGATGATGGCTTATTTTCAAAACATCATTT 1260
Db 1610 TATTCTCTTTTACTACTATTTTTCAAAAACAAGATGATGGCTTATTTTCAAAACATCATTT 1669

Qy 1261 TACTTTGGATATATGGCGGTATTTTAGCACAGCCTTGGGATTAATGTTGGAGCGATT 1317
Db 1670 TACTTTGGATATATGGCGGTATTTTAGCACAGCCTTGGGATTAATGTTGGAGCGATT 1726

RESULT 7
US-10-198-846-10005
; Sequence 10005, Application US/10198846
; Publication No. US2003009974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10005
; LENGTH: 4024
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1, 2, 4021, 4022, 4023, 4024
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-10005

Query Match      100.0%; Score 1317; DB 5; Length 4024;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGTATGAAATGGAGAA 60
Db 410 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGTATGAAATGGAGAA 469

Qy 61 GATTACTATCTTTGACCTATAAAACCTTGAATAGTGTATTAATGGNAATCGAATTGTT 120
Db 470 GATTACTATCTTTGACCTATAAAACCTTGAATAGTGTATTAATGGNAATCGAATTGTT 529

Qy 121 GATGTTAATCTAATCTAGTGAAGGAAGGTGAAACTGGTTTCAAAATCTTAAATCCAGATG 180
Db 530 GATGTTAATCTAATCTAGTGAAGGAAGGTGAAACTGGTTTCAAAATCTTAAATCCAGATG 589

Qy 181 TCATATTTCAGTAAATGGAAAAGTCAGATGTGAAATTTGAAAGATCGAATTGCAAAATAT 240
Db 590 TCATATTTCAGTAAATGGAAAAGTCAGATGTGAAATTTGAAAGATCGAATTGCAAAATAT 649

Qy 241 CTTGATCGCTCTTTTTCACATCGGATTCATTTGTTTCAATTTTCAATCTTCACTCTTCATG 300
Db 650 CTTGATCGCTCTTTTTCACATCGGATTCATTTGTTTCAATTTTCAATCTTCACTCTTCATG 709

Qy 301 ATGTTGATCTTTCTGGTGGCTTAGTTTCAATGATTTTAAATGAGAACTTAAGAAAAGAT 360
Db 710 ATGTTGATCTTTCTGGTGGCTTAGTTTCAATGATTTTAAATGAGAACTTAAGAAAAGAT 769

Qy 361 TATGCTCGGTACAGTAAAGAGAAAGAAATGATGATATGGATAGAGACCTTAGGAGATGAA 420
Db 770 TATGCTCGGTACAGTAAAGAGAAAGAAATGATGATATGGATAGAGACCTTAGGAGATGAA 829

Qy 421 TATGATGGAACACAGTGCATGGAGATGATTTAGACCATCAAGTCAACCACTGATATTT 480
Db 830 TATGATGGAACACAGTGCATGGAGATGATTTAGACCATCAAGTCAACCACTGATATTT 889

Qy 481 TCCTCTCTGATGGTCTTGGATGTGAGATATTTGCTGTCTCTCATCGTTATTATTGTT 540
Db 890 TCCTCTCTGATGGTCTTGGATGTGAGATATTTGCTGTCTCTCATCGTTATTATTGTT 949

Qy 541 GCAATGATAGAAGATTTATATACGTAGAGGGGATCAATGCTCAGTACAGCCATATTTGTC 600
Db 950 GCAATGATAGAAGATTTATATACGTAGAGGGGATCAATGCTCAGTACAGCCATATTTGTC 1009

Qy 601 TATGCTGCTAGTCTCCAGTGAATGTTATTTCGGAGAGTCTGTATGCTAGACCAAGGA 660
Db 1010 TATGCTGCTAGTCTCCAGTGAATGTTATTTCGGAGAGTCTGTATGCTAGACCAAGGA 1069

Qy 661 GGAAGGAGATGGATAAAGCAGATGTTTATTTGGGGCATTTCTTATCCAGCTATGGTGTG 720
Db 1070 GGAAGGAGATGGATAAAGCAGATGTTTATTTGGGGCATTTCTTATCCAGCTATGGTGTG 1129

Qy 721 GGCACTGCTTCTTCATCAATTTTATAGCCATTTTATACAGTCTTCAAGAGCCATTCCT 780
Db 1130 GGCACTGCTTCTTTCATCAATTTTATAGCCATTTTATACAGTCTTCAAGAGCCATTCCT 1189

Qy 781 TTTGGAACAATGGTGGCGTGTGTTGATCGTTTTTTTGTGTTATCTTCTCTAAATCTT 840
Db 1190 TTTGGAACAATGGTGGCGTGTGTTGATCGTTTTTTTGTGTTATCTTCTCTAAATCTT 1249
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Db 470 GATTACTATCTTTGGACCTTATATAAACTTGAATAGGTTTAAATCGAAATCGAATGTT 529  
Qy 121 GATGTTAATCTAAGTGAAGAAAGTGAAGCTGGTTCCAAATCTAATAATCCAGATG 180  
Db 530 GATGTTAATCTAAGTGAAGAAAGTGAAGCTGGTTCCAAATCTAATAATCCAGATG 589  
Qy 181 TCATATTCAGTAAATGGAAGAAAGTGAAGCTGGTTCCAAATCTAATAATCCAGATG 240  
Db 590 TCATATTCAGTAAATGGAAGAAAGTGAAGCTGGTTCCAAATCTAATAATCCAGATG 649  
Qy 241 CTTGATCCGCTCTTTTCAACATCGGATCTAATGTTTCAATTTCAACTCTCTCATG 300  
Db 650 CTTGATCCGCTCTTTTCAACATCGGATCTAATGTTTCAATTTCAACTCTCTCATG 709  
Qy 301 ATGGTGATCTCTCTGGTGGCTTAGTTTCAATGATTTTAAATGAGAACATTAAGAAAGAT 360  
Db 710 ATGGTGATCTCTCTGGTGGCTTAGTTTCAATGATTTTAAATGAGAACATTAAGAAAGAT 769  
Qy 361 TATGCTCGGTACAGTAAAGAGAAAGTGAAGTATGATGATGATGAGACCTAGGAGATGAA 420  
Db 770 TATGCTCGGTACAGTAAAGAGAAAGTGAAGTATGATGATGATGAGACCTAGGAGATGAA 829  
Qy 421 TATGATGGAACAGGTGCATCGAGATGATTTAGAACATCAAGTCAACCACTGATATT 480  
Db 830 TATGATGGAACAGGTGCATCGAGATGATTTAGAACATCAAGTCAACCACTGATATT 889  
Qy 481 TCCTCTCTGATGTTCTGATGTCAGATATTTGCTGTCCTCATCGTTATTTATGTT 540  
Db 890 TCCTCTCTGATGTTCTGATGTCAGATATTTGCTGTCCTCATCGTTATTTATGTT 949  
Qy 541 GCAATGATGAGATTTATATATCTAGAGGGATCAATGCTCAGTACAGCCATATTGTC 600  
Db 950 GCAATGATGAGATTTATATATCTAGAGGGATCAATGCTCAGTACAGCCATATTGTC 1009  
Qy 601 TATGCTGCTACGTCCTAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGA 660  
Db 1010 TATGCTGCTACGTCCTAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGA 1069  
Qy 661 GGAAGGAGATGATTAAGCAGATGTTTATGGGGCATTCCTTATCCAGCTATGTTGT 720  
Db 1070 GGAAGGAGATGATTAAGCAGATGTTTATGGGGCATTCCTTATCCAGCTATGTTGT 1129  
Qy 721 GGCATCGCTCTTCTCATCAATTTCTAGCCATTTATACCATGCTTCAAGAGCCATTCCT 780  
Db 1130 GGCATCGCTCTTCTCATCAATTTCTAGCCATTTATACCATGCTTCAAGAGCCATTCCT 1189  
Qy 781 TTTGGAACAAATGGTGGCCGTTTGTGCACTGCTTTTTTTTGTATTTCTTCTCTAAATCTT 840  
Db 1190 TTTGGAACAAATGGTGGCCGTTTGTGCACTGCTTTTTTTTGTATTTCTTCTCTAAATCTT 1249  
Qy 841 GTTGCTCAATATCTTGGCGAATCTGTCAGTCAAGCCCACTTCTTGTGCTGCTCAAT 900  
Db 1250 GTTGCTCAATATCTTGGCGAATCTGTCAGTCAAGCCCACTTCTTGTGCTGCTCAAT 1309  
Qy 901 GCTGTGCTCGTCTTATACCGAGAAAATGTTTATGAGAGCCCTGCGTTATTTGTC 960  
Db 1310 GCTGTGCTCGTCTTATACCGAGAAAATGTTTATGAGAGCCCTGCGTTATTTGTC 1369  
Qy 961 CTGGGTGGAATTTTACCTTTTGGTTTCAATCTTTTATGAAAATGTAATTTTCACTTCT 1020  
Db 1370 CTGGGTGGAATTTTACCTTTTGGTTTCAATCTTTTATGAAAATGTAATTTTCACTTCT 1429  
Qy 1021 TTTCTGGGCATATAAGATCTATTATGCTATGCTTCAATGCTGCTGCTGCTGCTGCTG 1080  
Db 1430 TTTCTGGGCATATAAGATCTATTATGCTATGCTTCAATGCTGCTGCTGCTGCTGCTG 1489  
Qy 1081 TGCAATTTGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1140  
Db 1490 TGCAATTTGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1549  
Qy 1141 TACCGGTGGCAATGGAAGATTTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1200

Db 1550 TACCGGTGGCAATGGAAGATTTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1609  
Qy 1201 TATTCTTTTACTACTATTATTTTCAAAACAAGATGATGCTTATTTTCAAAACATCAATT 1260  
Db 1610 TATTCTTTTACTACTATTATTTTCAAAACAAGATGATGCTTATTTTCAAAACATCAATT 1669  
Qy 1261 TACTTTGGATATATGCGGCTATTTAGCACAGCCTTTGGGGATAAATGTTGGAGCGATT 1317  
Db 1670 TACTTTGGATATATGCGGCTATTTAGCACAGCCTTTGGGGATAAATGTTGGAGCGATT 1726

RESULT 8  
US-09-374-046A-25  
; Sequence 25, Application US/09374046A  
; Publication No. US20030096951A1  
; GENERAL INFORMATION:  
; APPLICANT: Jacobs, Kenneth  
; APPLICANT: McCoy, John M.  
; APPLICANT: LaVallie, Edward R.  
; APPLICANT: Collins-Racie, Lisa A.  
; APPLICANT: Evans, Cheryl  
; APPLICANT: Merberg, David  
; APPLICANT: Treacy, Maurice  
; APPLICANT: Agostino, Michael J.  
; APPLICANT: Steinger II, Robert J.  
; APPLICANT: Spaulding, Vikki  
; APPLICANT: Wong, Gordon G.  
; APPLICANT: Clark, Hilary  
; APPLICANT: Fechtel, Kim  
; APPLICANT: Genetics Institute, Inc.  
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM  
; CURRENT APPLICATION NUMBER: US/09/374,046A  
; FILE REFERENCE: GI 6075-83A  
; CURRENT FILING DATE: 1999-08-13  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 25  
; LENGTH: 3370  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-374-046A-25

Query Match 99.9%; Score 1315.4; DB 3; Length 3370;  
Best Local Similarity 99.9%; Pred. No. 0;  
Matches 1316; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ATGTACATAGATGATTTACCAATATGCGGCTATTTGTTGGTGGAGCTGATGAAAATCGAGAA 60  
Db 353 ATGTACATAGATGATTTACCAATATGCGGCTATTTGTTGGTGGAGCTGATGAAAATCGAGAA 412  
Qy 61 GATTACTATCTTTCGACCTATAAAAACCTTCAAATAGGTTTAAATGGAAAATCGAATTGTT 120  
Db 413 GATTACTATCTTTCGACCTATAAAAACCTTCAAATAGGTTTAAATGGAAAATCGAATTGTT 472  
Qy 121 GATGTTAATCTAACTAGTGAAGGAAAGTGAAGCTGGTTCCAAATCTAATAATCCAGATG 180  
Db 473 GATGTTAATCTAACTAGTGAAGGAAAGTGAAGCTGGTTCCAAATCTAATAATCCAGATG 532  
Qy 181 TCATATTCAGTAAATGGAAGAAAGTCAAGTGTGAAAATTTGAAGATCGAATTTGACAAATAT 240  
Db 533 TCATATTCAGTAAATGGAAGAAAGTCAAGTGTGAAAATTTGAAGATCGAATTTGACAAATAT 592  
Qy 241 CTTGATCCGCTCTTTTCAACATCGGATTCATTTGTTTCAATTTTCAACTCTCTTCATG 300  
Db 593 CTTGATCCGCTCTTTTCAACATCGGATTCATTTGTTTCAATTTTCAACTCTCTTCATG 652  
Qy 301 ATGTTGATCTTCTTGGTGGCTTAGTTTCAATGATTTTAAATGAGAACATTAAGAAAAGAT 360  
Db 653 ATGTTGATCTTCTTGGTGGCTTAGTTTCAATGATTTTAAATGAGAACATTAAGAAAAGAT 712  
Qy 361 TATGCTCGGTACAGTAAAGAGAAAGATGATGATGATGATGATGATGATGATGATGATGATG 420  
Db 713 TATGCTCGGTACAGTAAAGAGAAAGATGATGATGATGATGATGATGATGATGATGATGATG 772

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Qy 421 TATGATGGAACAGGTGTCATGGAGATGATATTTAGACCATCAAGTCACCCACTGATATTT 480
Db 773 TATGATGGAACAGGTGTCATGGAGATGATATTTAGACCATCAAGTCACCCACTGATATTT 832
Qy 481 TCCTCTCTGATTTGGTTCGAGATGTCAGATATTTCTGTGTCCTCATCGTTATTTATTTGTT 540
Db 833 TCCTCTCTGATTTGGTTCGAGATGTCAGATATTTCTGTGTCCTCATCGTTATTTATTTGTT 892
Qy 541 GCAATGATAGAGATTTATATATCTAGAGGGGATCAATGCTCAGTACAGCCATATTTGTC 600
Db 893 GCAATGATAGAGATTTATATATCTAGAGGGGATCAATGCTCAGTACAGCCATATTTGTC 952
Qy 601 TATGCTGCTAGCTCTCAGTCAATTTGTTATTTGGAGGAAGTCTGTATGCTAGACAAGGA 660
Db 953 TATGCTGCTAGCTCTCAGTCAATTTGTTATTTGGAGGAAGTCTGTATGCTAGACAAGGA 1012
Qy 661 GGAAGGAGATGATATAAGCAGATGTTTATTTGGGCGATTTCTTATCCAGCTATGTCGTGT 720
Db 1013 GGAAGGAGATGATATAAGCAGATGTTTATTTGGGCGATTTCTTATCCAGCTATGTCGTGT 1072
Qy 721 GGCACGCTCTTCTTATCAATTTTATAGCCATTTTATACCATGCTTCAAGAGCCATTTCT 780
Db 1073 GGCACGCTCTTCTTATCAATTTTATAGCCATTTTATACCATGCTTCAAGAGCCATTTCT 1132
Qy 781 TTTGGAACAATGTTGGCGGTTTGTTCGATCTGTTTTTTTGTATTTCTTCTTAAATCTT 840
Db 1133 TTTGGAACAATGTTGGCGGTTTGTTCGATCTGTTTTTTTGTATTTCTTCTTAAATCTT 1192
Qy 841 GTTGGTACATACCTTTGGCGGAAATCTGTGAGTCTGAGCCCACTTTCTTGTGCGTCAAT 900
Db 1193 GTTGGTACATACCTTTGGCGGAAATCTGTGAGTCTGAGCCCACTTTCTTGTGCGTCAAT 1252
Qy 901 GCTGTGCTCTCTTATACCGGAGAAAAATGTTTCATGAGCCCTGCGGTTATTTGTTGC 960
Db 1253 GCTGTGCTCTCTTATACCGGAGAAAAATGTTTCATGAGCCCTGCGGTTATTTGTTGC 1312
Qy 961 CTGGGTGGAATTTTACCTTTTGGTTCATCTTTATGGAATGATTTTCATCTTCACGTCT 1020
Db 1313 CTGGGTGGAATTTTACCTTTTGGTTCATCTTTATGGAATGATTTTCATCTTCACGTCT 1372
Qy 1021 TTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGCTGCTGCTGCTGCTGCTGCTG 1080
Db 1373 TTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGCTGCTGCTGCTGCTGCTGCTG 1432
Qy 1081 TGCATTTGACTGTCTGTGACTATTTGTGTGACATATTTTCTACTAAATGCAAGAAGAT 1140
Db 1433 TGCATTTGACTGTCTGTGACTATTTGTGTGACATATTTTCTACTAAATGCAAGAAGAT 1492
Qy 1141 TACCGGTGGCAATGGACAAAGTTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1200
Db 1493 TACCGGTGGCAATGGACAAAGTTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1552
Qy 1201 TATTCCTTTTACTACTATTTTTCAAAAACAAGATGATGCTTATTTTCAAAACATCATTT 1260
Db 1553 TATTCCTTTTACTACTATTTTTCAAAAACAAGATGATGCTTATTTTCAAAACATCATTT 1612
Qy 1261 TACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATTAATGTGTGAGCGGATTT 1317
Db 1613 TACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATTAATGTGTGAGCGGATTT 1669
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## RESULT 9

US-10-616-263-25

; Sequence 25, Application US/10616263

; Publication No. US20040038276A1

## GENERAL INFORMATION:

; APPLICANT: Jacobs, Kenneth

; APPLICANT: McCoy, John M.

; APPLICANT: LaVallie, Edward R.

; APPLICANT: Collins-Racie, Lisa A.

; APPLICANT: Evans, Cheryl

; APPLICANT: Merberg, David

```
; APPLICANT: Treacy, Maurice
; APPLICANT: Agostino, Michael J.
; APPLICANT: Steininger II, Robert J.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: 00766.000103.5
; CURRENT APPLICATION NUMBER: US/10/616,263
; CURRENT FILING DATE: 2003-07-08
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 25
; LENGTH: 3370
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-616-263-25
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Query Match 99.9%; Score 1315.4; DB 7; Length 3370;

Best Local Similarity 99.9%; Pred. No. 0;

Matches 1316; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy 1 ATGTACATAGATGATTTTACCAATATGGGGTATTTGTTGGTGAGGCTGATGAAATGGAGAA 60
Db 353 ATGTACATAGATGATTTTACCAATATGGGGTATTTGTTGGTGAGGCTGATGAAATGGAGAA 412
Qy 61 GATTACTATCTTTTGGACCTATAAAAACTTGAATAAGTTTAAATGAAATCGAATTTGTT 120
Db 413 GATTACTATCTTTTGGACCTATAAAAACTTGAATAAGTTTAAATGAAATCGAATTTGTT 472
Qy 121 GATTGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGTTCCAAATCTCTAAATCCAGATG 180
Db 473 GATTGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGTTCCAAATCTCTAAATCCAGATG 532
Qy 181 TCATATTCAGTAAATGGAAAAAGTCAGATGTGAAATTTGAAAGTCGATTTGACAAATAT 240
Db 533 TCATATTCAGTAAATGGAAAAAGTCAGATGTGAAATTTGAAAGTCGATTTGACAAATAT 592
Qy 241 CTTGATCCGTCCTTTTTCACACATCGGATTCATTGGTTTTTCAATTTTCAACTCTCTTCATG 300
Db 593 CTTGATCCGTCCTTTTTCACACATCGGATTCATTGGTTTTTCAATTTTCAACTCTCTTCATG 652
Qy 301 ATCGTGATCTTCTTGTGGGCTTTAGTTTCAATGATTTTAAATGAGAACATTAAGAAAAAGAT 360
Db 653 ATCGTGATCTTCTTGTGGGCTTTAGTTTCAATGATTTTAAATGAGAACATTAAGAAAAAGAT 712
Qy 361 TATGCTCGGTACAGTAAAGAGGGAAGAAATGGATGATATGATAGAGACCTAGGAGATGAA 420
Db 713 TATGCTCGGTACAGTAAAGAGGGAAGAAATGGATGATATGATAGAGACCTAGGAGATGAA 772
Qy 421 TATGGATGGAACACAGGTGTCATGGAGATGATTTTAGACCATCAAGTCACCCACTGATATTT 480
Db 773 TATGGATGGAACACAGGTGTCATGGAGATGATTTTAGACCATCAAGTCACCCACTGATATTT 832
Qy 481 TCCTCTCTGATTTGGTTCCTGGAATGTCAGATATTTTGTGTGTCTCTCATCGTTATTTATTTGTT 540
Db 833 TCCTCTCTGATTTGGTTCCTGGAATGTCAGATATTTTGTGTGTCTCTCATCGTTATTTATTTGTT 892
Qy 541 GCAATGATAGAAGATTTATATCTAGAGGGGATCAATGCTCAGTACAGCCATATTTGTC 600
Db 893 GCAATGATAGAAGATTTATATCTAGAGGGGATCAATGCTCAGTACAGCCATATTTGTC 952
Qy 601 TATGCTGCTACGTCCTCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGA 660
Db 953 TATGCTGCTACGTCCTCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGA 1012
Qy 661 GGAAGGAGATGGATAAAGCAGATGTTTATTTGGGGCATTCCTTATCCAGCTATGTCGTGT 720
Db 1013 GGAAGGAGATGGATAAAGCAGATGTTTATTTGGGGCATTCCTTATCCAGCTATGTCGTGT 1072
Qy 721 GGCACGCTCTTCTTATCAATTTTATAGCCATTTTATACCATGCTTCAAGAGCCATTTCT 780
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Qy 1140 TTACGGTGGCAATGGACAGATTTTCTCTCTGCTGCGATCAACTGCAATCTATGTTTACAT 1199  
Db 1543 TTACGGTGGCAATGGACAGATTTTCTCTCTGCTGCGATCAACTGCAATCTATGTTTACAT 1602  
Qy 1200 GTATTCCTTTTACTACTATTTTTCACAAACAAAGATGTATGGCTTATTTCAACATCATTT 1259  
Db 1603 GTATTCCTTTTACTACTATTTTTCACAAACAAAGATGTATGGCTTATTTCAACATCATTT 1662  
Qy 1260 TTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGGATT 1317  
Db 1663 TTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGGATT 1720

RESULT 11  
US-10-956-157-2297  
; Sequence 2297, Application US/10956157  
; Publication No. US20050118625A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; APPLICANT: Mounts, William  
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH  
; TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES  
; FILE REFERENCE: 031896-043000 (AM 101081)  
; CURRENT APPLICATION NUMBER: US/10/956.157  
; CURRENT FILING DATE: 2004-10-04  
; NUMBER OF SEQ ID NOS: 319805  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 2297  
; LENGTH: 3389  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-956-157-2297

Query Match 93.1%; Score 1226; DB 9; Length 3389;  
Best Local Similarity 98.6%; Pred. No. 1.2e-292;  
Matches 1300; Conservative 0; Mismatches 10; Indels 8; Gaps 6;

Qy 1 ATGTACATAGATGATTTTACCAATATGGGGTATTTGGTGAGCGCTGATGAAATGGAGAA 60  
Db 410 ATGTACATAGATGATTTTACCAATATGGGGTATTTGGTGAGCGCTGATGAAATGGAGAA 469  
Qy 61 GATTACTATCTTTGGACCTATAAAAACTTGAATAGTGTATTAATGGAATCGAATTTGT 120  
Db 470 GATTACTATCTTTGGACCTATAAAAACTTGAATAGTGTATTAATGGAATCGAATTTGT 529  
Qy 121 GATGTTAATCTAATCTAGTGAAGAAAGGTGAACT-GGTTCCAAATCTAAAAATCCAGAT 179  
Db 530 GATGTTAATCTAATCTAGTGAAGAAAGGTGAACTGGGTTCCAAATCTATAATCCAGAT 589  
Qy 180 GTCATATTCAGTAAATGGAAGAAAGTCAGATGCAAAATTTGAAGATCGATTTGACAAATA 239  
Db 590 GTCATATTCAGTAAATGGAAGAAAGTCAGATGCAAAATTTGAAGATCGATTTGAC-AATA 647  
Qy 240 TCTTGATCCGTCCTTTTTCACATCGGATTCATTTGGTTTTCATTTTCAACTCCTTCAT 299  
Db 648 TCTTGATC--GTCCCTTTTTCACATCGGATTCATTTGGTTTTCATTTTCAACTCCTTCAT 705  
Qy 300 GATGGTGATCTTCTTGGTGGCTTAGTTTCAATGATTTTAAATGAGAACATTAAGAAAGA 359  
Db 706 GATGGTGATCTTCTTGGTGGCTTAGTTTCAATGATTTTAAATGAGAACATTAAGAAAGA 765  
Qy 360 TTATGCTCGGTACAGTAAAGAGGAGAAATGGATGATATGATAGAGACCTAGAGATGA 419  
Db 766 TTATGCTCGGTACAGTAAAGAGGAGAAATGGATGATATGATAGAGACCTAGAGATGA 825  
Qy 420 ATATGGATGGAACAGGTGATGAGATGTATTTAGACCATCATCAAGTCACCCACTGATTT 479  
Db 826 ATATGGATGGAACAGGTGATGAGATGTATTTAGACCATCATCAAGTCACCCACTGATTT 885  
Qy 480 TTCTCTCTGATGGTTCTCGATGTCAGATATTTTGGTGTGTCTCTCATCGTTATTTGT 539  
Db 886 TTCTCTCTGATGGTTCTCGATGTCAGATATTTTGGTGTGTCTCTCATCGTTATTTGT 945

Qy 540 TGCAATGATAGAGATTTATATATCTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGT 599  
Db 946 TGCAATGATAGAGATTTATATATCTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGT 1005  
Qy 600 CTATGCTGCTACCTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATCTAGACAGG 659  
Db 1006 CTATGCTGCTACCTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATCTAGACAGG 1065  
Qy 660 AGGAAGGAGATGGATAAAGCAGATGTTTATTTGGGGCATTCCTTTATCCAGCTATGGTGTG 719  
Db 1066 AGGAAGGAGATGGATAAAGCAGATGTTTATTTGGGGCATTCCTTTATCCAGCTATG--GGT 1123  
Qy 720 TGGCACTGCCCTCTTCATCAATTTTATAGCCATTTATACCATGCTTCAAGAGCCATTC 779  
Db 1124 GTGCACTGCCCTCTTCATCAATTTTATAGCCATTTATTTACCATGCTTCAAGAGCCATTC 1183  
Qy 780 TTTTGGAAACAATGCTGCGCGTGTGTGCATCTGTTTTTTTGGTATTTCTCTCTAATCT 839  
Db 1184 TTTTGGAAACAATGCTGCGCGTGTGTGCATCTGTTTTTTTGGTATTTCTCTCTAATCT 1243  
Qy 840 TGTGTGTACAAATCTTTGGCCGAAATCTGTGAGGTGAGCCCAACTTTCTTTGCTGTCAA 899  
Db 1244 TGTGTGTACAAATCTTTGGCCGAAATCTGTGAGGTGAGCCCAACTTTCTTTGCTGTCAA 1303  
Qy 900 TGTGTGCTGCTGCTTATACCGGAGAAAAAATGGTTCAATGAGCGCTGCGGTATTTGTTG 959  
Db 1304 TGTGTGCTGCTGCTTATACCGGAGAAAAAATGGTTCAATGAGCGCTGCGGTATTTGTTG 1362  
Qy 960 CTTGGGTGGAATTTTACCTTTTGGTTCATCTTTATTTGAAATGTATTTTCAATCTTT 1019  
Db 1363 CTTGGGTGGAATTTTACCTTTTGGTTCATCTTTATTTGAAATGTATTTTCAATCTTT 1422  
Qy 1020 TTTCTGGGCATATAAGATCTATTTATGCTATGCTTTCATGATGCTGCTGCTGTTATCCT 1079  
Db 1423 TTTCTGGGCATATAAGATCTATTTATGCTATGCTTTCATGATGCTGCTGCTGTTATCCT 1482  
Qy 1080 GTGCATTTGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1139  
Db 1483 GTGCATTTGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1542  
Qy 1140 TTACCGGTGGCAATGGACAAAGTTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1199  
Db 1543 TTACCGGTGGCAATGGACAAAGTTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1602  
Qy 1200 GTATTCCTTTTACTACTATTTTTCACAAACAAAGATGTATGGCTTATTTTCAAAATCAT 1259  
Db 1603 GTATTCCTTTTACTACTATTTTTCACAAACAAAGATGTATGGCTTATTTTCAAAATCAT 1662  
Qy 1260 TTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGGATT 1317  
Db 1663 TTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGGATT 1720

RESULT 12  
US-10-287-436A-335  
; Sequence 335, Application US/10287436A  
; Publication No. US20050202421A1  
; GENERAL INFORMATION:  
; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER  
; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF  
; TITLE OF INVENTION: RHEUMATOID ARTHRITIS  
; FILE REFERENCE: 10872.514696  
; CURRENT APPLICATION NUMBER: US/10/287.436A  
; CURRENT FILING DATE: 2002-10-31  
; PRIOR APPLICATION NUMBER: US 60/336,220  
; PRIOR FILING DATE: 2001-10-31  
; NUMBER OF SEQ ID NOS: 1446  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 335  
; LENGTH: 3389  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-287-436A-335



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Query Match          93.1%; Score 1226; DB 9; Length 3389;
Best Local Similarity 98.6%; Pred. No. 1.2e-292;
Matches 1300; Conservative 0; Mismatches 10; Indels 8; Gaps 6;

Qy 1 ATGTACATAGATGATTTACCAATATGGGGTATTTGGTGAGCGCTGATGAAAAATGGAGAA 60
Db 410 ATGTACATAGATGATTTACCAATATGGGGTATTTGGTGAGCGCTGATGAAAAATGGAGAA 469

Qy 61 GATTACTACTTTGGACCTATATAAAACCTTGAATAGGTTTTTAATGGAAATCGAATTTGT 120
Db 470 GATTACTACTTTGGACCTATATAAAACCTTGAATAGGTTTTTAATGGAAATCGAATTTGT 529

Qy 121 GATGTTAATCTAACTAGTAGGAAGAAAGGTGAAACT -GGTTCCAAATACTAAAAATCCAGAT 179
Db 530 GATGTTAATCTAACTAGTAGGAAGAAAGGTGAAACTGGGTTCCAAATACTAATCCAGAT 589

Qy 180 GTCATATTTCAGTAAATGAAAAAGTCAGATGTGAAAAATTTGAAGATCGAATTTGACAAATA 239
Db 590 GTCATATTTCAGTAAATGAG -AAAAGTCAGATGTGAAAAATTTGAAGATCGAATTTGAC -AATA 647

Qy 240 TCTTGATCGCTCTTTTTCACATCGGATTCATTTGGTTTTTCAATTTTCAACTCCTTCAT 299
Db 648 TCTTGATC -GTCCCTTTTTTTCACATCGGATTCATTTGGTTTTTCAATTTTCAACTCCTTCAT 705

Qy 300 GATGCTGATCTTCTTGGTGGCTTAGTTTTCAATGATTTTTTAATGAGAAACATTAAGAAAAAGA 359
Db 706 GATGCTGATCTTCTTGGTGGCTTAGTTTTCAATGATTTTTTAATGAGAAACATTAAGAAAAAGA 765

Qy 360 TTATGCTCGGTACAGTAAAGAGAAAGAAATGGATGATATGATAGACACCTAGGAGATGA 419
Db 766 TTATGCTCGGTACAGTAAAGAGAAAGAAATGGATGATATGATAGACACCTAGGAGATGA 825

Qy 420 ATATGATGGAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATT 479
Db 826 ATATGATGGAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATT 885

Qy 480 TTCCTCTCTGATGGTTCCTGATGTCAGATATTTGCTGTGCTCTCATCGTTATTATTGT 539
Db 886 TTCCTCTCTGATGGTTCCTGATGTCAGATATTTGCTGTGCTCTCATCGTTATTATTGT 945

Qy 540 TGCAATGATAGAAGATTTATATCTAGAGAGGGATCAATGCTCAGTACAGCCATATTTGT 599
Db 946 TGCAATGATAGAAGATTTATATCTAGAGAGGGATCAATGCTCAGTACAGCCATATTTGT 1005

Qy 600 CTATGCTCTAGCTCTCAGTGAATGGTTATTTTGGAGGAAGTCGTATGCTAGACAGG 659
Db 1006 CTATGCTCTAGCTCTCAGTGAATGGTTATTTTGGAGGAAGTCGTATGCTAGACAGG 1065

Qy 660 AGGAAGGAGATGGATAAAGCAGATGTTTATTTGGGCAATTCCTTATCCAGCTATGGTGTG 719
Db 1066 AGGAAGGAGATGGATAAAGCAGATGTTTATTTGGGCAATTCCTTATCCAGCTATG -GGT 1123

Qy 720 TGGCACTGCCCTTCTTCATCAATTTTCATAGCCATTTATACCATGCTTCAAGAGCCATTC 779
Db 1124 GTGCACTGCCCTTCTTCATCAATTTTCATAGCCATTTATACCATGCTTCAAGAGCCATTC 1183

Qy 780 TTTTGGAAACAATGGTGGCGTTTGTGCACTCTGTTTTTTTGTATTCTTCTCTAAATCT 839
Db 1184 TTTTGGAAACAATGGTGGCGTTTGTGCACTCTGTTTTTTTGTATTCTTCTCTAAATCT 1243

Qy 840 TGTGGTACAATACTTGGCCGAAATCTCTCAGGTCAGCCCACTTTCTTCTGTCGTGTCAA 899
Db 1244 TGTGGTACAATACTTGGCCGAAATCTCTCAGGTCAGCCCACTTTCTTCTGTCGTGTCAA 1303

Qy 900 TGCTGTGCTCTGCTCTATACCGGAGAAAAATGGTTTCATGGAGCCTGCGGTTATTGTTTG 959
Db 1304 TGCTGTGCTCTGCTCTATACCGGAGAAAAATGGTTTCATGGAG -CTGCGGTTATTGTTTG 1362

Qy 960 CTTGGGTGGAATTTTACCTTTTGGTTTCAATCTTTATGAAATGATTTTCACTTCAAGTC 1019
Db 1363 CTTGGGTGGAATTTTACCTTTTGGTTTCAATCTTTATTTGAAATGATTTTCACTTCAAGTC 1422
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RESULT 13

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US-10-062-674-1697
; Sequence 1697, Application US/10062674
; Publication No. US20040005559A1
; GENERAL INFORMATION:
; APPLICANT: Loring, Jeanne F.; Kaser, Matthew R.
; TITLE OF INVENTION: MARKERS OF NEURONAL DIFFERENTIATION AND MORPHOGENESIS
; FILE REFERENCE: PA-0026-1 CIP
; CURRENT APPLICATION NUMBER: US/10/062.674
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: US 09/625,102
; PRIOR FILING DATE: 2000-07-24
; NUMBER OF SEQ ID NOS: 2217
; SOFTWARE: PERL Program
; SEQ ID NO 1697
; LENGTH: 6197
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20040005559A1 233927.4
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1) .. (6197)
; OTHER INFORMATION: a, t, c, g, or other
US-10-062-674-1697
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Query Match 53.9%; Score 709.6; DB 6; Length 6197;  
Best Local Similarity 82.4%; Pred. No. 1.4e-164;  
Matches 1135; Conservative 0; Mismatches 165; Indels 77; Gaps 25;

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Qy 15 TTTTACCAATATGGGGTATTTGGTGAGCGCTGATGAAAAATG -GAGAAAGATTACTATCTTT 73
Db 388 TTACCCNATATGGGGTATTTGGTGAGCGCTGATGAAAAATGCGAAGATTACTATCTGT 447

Qy 74 GGACC -TATAAAAACTTGAAT -AGGTTTTTAATGGAATCGAATGT ------TG 121
Db 448 TGGACCGGTATAAAAACTTGAATTTAGGTTTTAACTGGAAATCGGAAGTTGTTGATGTT 507

Qy 122 ATGTTAATCTAACTAGTAGGAAGAAAGGTGAAATCTGGTTCCAAATACTAAAAATCCAGATGT 181
Db 508 ATATCTAACTAGTAGGAAGAAAGGTGAAACATGGTTCCAAATACTAAAAATCCAGATGT 567

Qy 182 CATATTCAAGTAAAAATGGAAGAAAGTCAG - - -TGTAATTTTGAAGATCGATTTGCAAAAT 238
Db 568 CATATTCAAGTAAAAATGGAAGAAAGTCAGATGTGTAATTTGAAAGTCGATTTGCAAAAT 627

Qy 239 ATCTTGATCCGTC -TTTTTTCAACATCGGATTCATTTGGTTTTTCAA - - -TTTCAACT 292
Db 628 ATCTTGATCCGTCGCTTTTTTCAACATCGGATTCATTTGGTTTTTCAACATGTCACACTC 687

Qy 293 CCTTCATGAT -GGTGATCTTCTTGGT -GGGCTTAGTTTCAATGATTTTAAATGAGAAACA - - 348
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Db	688	CGTTCAATGATCGGTGATCTCTTGGTGGGCTTATAGTTTTCAATAGATTTTTAATAGAGAACA	747
Qy	349	-TTAAGAAAAAGATTATGCTCGGTACAGTAAAGAGAGAAATAAGATGATATGGATAGAGA	407
Db	748	TTAAGAAAAAGATTATGCTCGGTACAGTAAAGAGAGAAATGATGATATGGATAGAGA	807
Qy	408	CCTAGGAGATCAAAATG--GATCGAACAGGTGCAT--GGAGATGATTTTAGACCAT-C	461
Db	808	CCTAGGAGATGAATATGATGAGTGGGAAACAGGTGCATTTGGAAGATGTATTTTAGACCATCC	867
Qy	462	AAGTCACCCACTGATATTTTCTCTCTGATTTGGTTCTGGATGTCCAGATATTTGCTGTGTC	521
Db	868	AAGTCACCCACTGATATTTTCTCTCTGATTTGGTTCTGGATGTCCAGATATTTGCTGTGTC	927
Qy	522	TCTCATCGTTATTAATG-TTCGAATGATAGAAGATTTATATCTGAGAGGGGATCAATGC	580
Db	928	TCTCATCGGTAAATAATGGTGCAATGATAGAAGATTTAATATCTGAGAGGGGATCAATGC	987
Qy	581	TCAGTACAGCCATATTTGCTCTATGC-TGCTACGTCT-CCAGTGAATGGTTATTTTGGAGG	638
Db	988	TCAGTACAGCCATATTTGCTCTAAGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGG	1047
Qy	639	AAGTCTGTATGCTTAGACAAGAGAGAGATGATAAAGCA-----GATGTTTATT	690
Db	1048	AAGCGATATAAAAGGAGGAAGGGAGAAATTTGGGCTATAAAGCCAGAAATGGTTAAATTG	1107
Qy	691	GGGGCATTTCC-----TTATCCCACTATGGTGTGGCACTGCC-----TTCT	733
Db	1108	GGGGCATTTCCCTTTAAATTTCCCAAGCTAAATGGGTTGTTGGGCCAACTTGCCCTTCTT	1167
Qy	734	TCATCAATTTCAATAGCCATTTATTAACATGCTTCAAGAGCCATTCCTTTTGGAAAC-AATG	792
Db	1168	TCATCAATTTCAATAGCCATTTATTAACATGCTTCAAGAGCCATTCCTTTTGGGACAAATG	1227
Qy	793	GTGGCCGTTGTTGTCATCTG-TTTTTTGTATTCTTCCTCTAAATCTCTGTTGTGTACAAT	851
Db	1228	GTGGCCGTTGTTGTCATCTGTTTTTTTGTATTCTTCCTCTAAATCTCTGTTGTGTACAAT	1287
Qy	852	ACTTGGCCGAAATCTGCAGTCAAGCCCAACTTTCTTGTGCTGTCAATGCTGTGCCCTC-	910
Db	1288	ACTTGGCCGAAATCTGCAGTCAAGCCCAACTTTCTTGTGCTGTCAATGCTGTGCCCTCT	1347
Qy	911	GTCCATATACGGAGA----AAAATGGTTCAAGAGCCCTCGGTTATTTGCTCGGTTGGT	966
Db	1348	GTCCATATACGGAGAACACACAGATGGTACATGAGAGCCCTCGGTTATTTGCTCGGTTGGT	1407
Qy	967	GGAAATTTTACCTTTTGGTTCAATCTTTATTTGAAATGTATTTTCATCTTTCAAGTCTTTCTGG	1026
Db	1408	GGAAATTTTACCTTTTGGTTCAATCTTTATTTGAAATGTATTTTCATCTTTCAAGTCTTTCTGG	1467
Qy	1027	GCATATAAGATCTATATATGCTATGGCTTCATGATGCTGGTGTGTTTATCTCTGTGCATT	1086
Db	1468	GCATATAAGATCTATATATGCTATGGCTTCATGATGCTGGTGTGTTTATCTCTGTGCATT	1527
Qy	1087	GTGACTGTCTGTGACTATTGTGTGCACATATTTTCTACTTAAATGAGAGATTATCCGG	1146
Db	1528	GTGACTGTCTGTGACTATTGTGTGCACATATTTTCTACTTAAATGAGAGATTATCCGG	1587
Qy	1147	TGGCAATGGACAAGATTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTC	1206
Db	1588	TGGCAATGGACAAGATTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTC	1647
Qy	1207	TTTTTACTACTATTTTTT-----CAAAACAAGATGTATGGCTTATTTTCAAAATCATTT	1259
Db	1648	TTTTTACTACTATGTTTTTCGNAACAAGATGTATGTGCTTATTTGCAAAATCATTTATTT	1707
Qy	1260	TTACTTTGGATATATGCG--GGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCG	1314
Db	1708	TACATTTGGATATATGCGGTGTATTTATGACACAGCTCTTGGGATATGTGTGGAG	1764

US-10-264-237-1414  
; Sequence 1414, Application US/10264237  
; Publication No. US20040009491A1  
; GENERAL INFORMATION:  
; APPLICANT: Btsee et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PA131P1  
; CURRENT APPLICATION NUMBER: US/10/264,237  
; CURRENT FILING DATE: 2002-10-04  
; PRIOR APPLICATION NUMBER: PCT/US01/16450  
; PRIOR FILING DATE: 2001-05-18  
; PRIOR APPLICATION NUMBER: US 60/205,515  
; PRIOR FILING DATE: 2000-05-19  
; NUMBER OF SEQ ID NOS: 2876  
; SOFTWARE: PatentIn Ver. 3.1  
; SEQ ID NO 1414  
; LENGTH: 1070  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (34)..(34)  
; OTHER INFORMATION: n equals a.t,g, or c  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (40)..(40)  
; OTHER INFORMATION: n equals a.t,g, or c  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (525)..(525)  
; OTHER INFORMATION: n equals a.t,g, or c  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (529)..(529)  
; OTHER INFORMATION: n equals a.t,g, or c  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (557)..(557)  
; OTHER INFORMATION: n equals a.t,g, or c  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (837)..(837)  
; OTHER INFORMATION: n equals a.t,g, or c  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (912)..(912)  
; OTHER INFORMATION: n equals a.t,g, or c  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (956)..(956)  
; OTHER INFORMATION: n equals a.t,g, or c  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (965)..(966)  
; OTHER INFORMATION: n equals a.t,g, or c  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1025)..(1025)  
; OTHER INFORMATION: n equals a.t,g, or c  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1047)..(1047)  
; OTHER INFORMATION: n equals a.t,g, or c  
; US-10-264-237-1414

Query Match	44.8%	Score 590.4;	DB 6;	Length 1070;
Best Local Similarity	91.5%	Pred. No. 1.9e-135;		
Matches 677:	Conservative	0: Mismatches 10;	Indels 53;	Gaps 3

Qy	631	TTTTGGAGGAAGTCTGTATCTAGACAAGGAGGAAGATGGATAAAGCAGATGTTTATT	690
Db	20	TTTTGGAGGCTCTCTNTATCANAGACAAGGAGGAAGCATGGATAAAGCAGATGTTTATT	79

Qy	750	GGGCGATTCCTATCCAGCTATGGTGTGGCACTGCCTTCCTCATCAATTTTCATAGCC	750
Db	139	GGGGCATTCCTATCCAGCTATGGTGTGGCACTGCCTTCCTCATCAATTTTCATAGCC	139
Qy	810	ATTATTACCATGCTTCAAGAGCCATTCCCTTTTGGAACAATGGTGGCGGTTTGTTGCATC	810
Db	199	ATTATTACCATGCTTCAAGAGCCATTCCCTTTTGGAACAATGGTGGCGGTTTGTTGCATC	199
Qy	870	TGTTTTTTTGTATTCTTCTCTAAATCTTTGGTGTACAATACATTGGCCGAAATCTGTCTCA	870
Db	259	TGTTTTTTTGTATTCTTCTCTAAATCTTTGGTGTACAATACATTGGCCGAAATCTGTCTCA	259
Qy	930	GGTCAGCGCCAACTTCTTGTCGTGTCAATGCTGCTGCTCGTCTATACCGGAGAAAAAA	930
Db	319	GGTCAGCGCCAACTTCTTGTCGTGTCAATGCTGCTCGTCTATACCGGAGAAAAAA	319
Qy	990	TGGTTTCATGGAGCCCTGCGGTTATTTGTTTGGCTGGGTGGAAATTTTACCTTTTGGTTCAATC	990
Db	379	TGGTTTCATGGAGCCCTGCGGTTATTTGTTTGGCTGGGTGGAAATTTTACCTTTTGGTTCAATC	379
Qy	1050	TTTATTGAAATGTATTTTCACTTCACGCTCTTCTGGGCATATAGACTATATATGTCAT	1050
Db	439	TTTATTGAAATGTATTTTCACTTCACGCTCTTCTGGGCATATAGACTATATATGTCAT	439
Qy	1110	GGCTTCATGATGCTGGTGCTGGTTATCCTGTGCAATGTGACTGTCTGTGTGACTATTGTG	1110
Db	499	GGCTTCATGATGCTGGTGCTGGTTATCCTGTGCAATGTGACTGTCTGTGTGACTATTGTG	499
Qy	1147	TGCACATATTTCTACTAAATGCGAA--GATTACCGGT-----	1147
Db	559	TGCACATATTTCTACTAAATGCGAAGNATATACCGGTGCGCATTCATTCAAAAGNAG	559
Qy	1178	-----GGCAATGGACAAGTTTTCTCTGCTGCACT	1178
Db	619	ATTATTCTTTCTTCCCTCCCGCCACCGCAATGGACAAGTTTCTCTGCTGCACT	619
Qy	1238	AACGTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTTTTCAAAACAAGATGTA	1238
Db	679	AACGTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTTTTCAAAACAAGATGTA	679
Qy	1297	TGGCTTATTTCAACACATCATTTTACTTTTGGATATATGGCGGTATTTTAGCACGCCTT--GG	1297
Db	739	TGGCTTATTTCAACACATCATTTTACTTTTGGATATATGGCGGTATTTTAGCACGCCTTGGG	739
Qy	1317	GGATAATGTGTGGAGCGATT	1317
Db	759	GGATAATGTGTGGAGCGATT	759

RESULT 15

US-10-242-535A-2630  
; Sequence 2630, Application US/10242535A  
; Publication No. US20040013663A1

; GENERAL INFORMATION:

**; APPLICANT: ChondroGene**

; APPLICANT: Liew, C.C.

; TITLE OF INVENTION: Component

FILE REFERENCE: 4231/2005

; CURRENT APPLICATION NUMBER: US/1  
 : CURRENT FILING DATE: 2002-08-12

; CURRENT FILING DATE: 2002-09-12  
 ; PRIOR APPLICATION NUMBER: US 10/085 783

; PRIOR APPLICATION NUMBER: US  
: PRIOR FILING DATE: 2002-02-28

PRIOR FILING DATE: 2002-02-28  
PRIOR APPLICATION NUMBER: IIS 60/305 340

; PRIOR AFFILIATION NUMBER: US  
 ; PRIOR FILING DATE: 2001-07-13

; PRIOR APPLICATION NUMBER: US 60/275,017

;  
; PRIOR FILING DATE: 2001-03-12

; PRIOR APPLICATION NUMBER: US 60/271,955

; PRIOR FILING DATE: 2001-02-28

; NUMBER OF SEQ ID NOS: 58994

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 2630

; LENGTH: 560

; TYPE: DNA

; ORGANISM: Human  
US-10-242-535A-2630

Query Match 40.8%; Score 537.4; DB 7; Length 560;  
Best Local Similarity 99.6%; Pred. No. 1.8e-122;  
Matches 549; Conservative 0; Mismatches 1; Indels 1;

Qy	768	AAGAGCCATTCC	TTTGGAAACAATGGTGGCGCGTTTGTGGCATCTGTTTTTTTGTATTCT	827
Db	1	AAGAGCCATTCC	TTTGGAAACAATGGTGGCGCGTTTGTGGCATCTGTTTTTTTGTATTCT	60
Qy	828	TCCTCTAAATCT	TGTTGGTACAATACCTTGGCCGAAATCTGTGAGTCAAGCCCAACTTTCC	887
Db	61	TCCTCTAAATCT	TGTTGGTACAATACCTTGGCCGAAATCTGTGAGTCAAGCCCAACTTTCC	120
Qy	888	TTGTGTGTCAAT	GTGTGCTCGTCCGTACCGAGAAAAAATGGTTCATGAGCCCTGC	947
Db	121	TTGTGTGTCAAT	GTGTGCTCGTCCGTACCGAGAAAAAATGGTTCATGAGCCCTGC	180
Qy	948	GGTTATTGTTT	GGCTGGGTGGAAATTTACCTTTTGGTTCAATCTTTATGAAATGATTTT	1007
Db	181	GGTTATTGTTT	GGCTGGGTGGAAATTTACCTTTTGGTTCAATCTTTATGAAATGATTTT	240
Qy	1008	CATCTTCAGCT	TTTTCTGGGCATATAAGATCTATTATGTCATATGCTTTCATGATGCTGGT	1067
Db	241	CATCTTCAGCT	TTTTCTGGGCATATAAGATCTATTATGTCATATGCTTTCATGATGCTGGT	300
Qy	1068	GCTGGTTATC	CTGTGATTTGTGACTGTCCTGTGTGACTATTGTGTGCACATATTTTCTACT	1127
Db	301	GCTGGTTATC	CTGTGATTTGTGACTGTCCTGTGTGACTATTGTGTGCACATATTTTCTACT	360
Qy	1128	AAATGCAGAAAT	TACCGTGGCAATGGACAAGTTTTTCTCTGTGTGCATCAACTGCAAT	1187
Db	361	AAATGCAGAAAT	TACCGTGGCAATGGACAAGTTTTTCTCTGTGTGCATCAACTGCAAT	420
Qy	1188	CTATGTTTAC	GTATTCCTTTTACTACTATTATTTTTCAAAACAAGATGTATGCGCTAAT	1247
Db	421	CTATGTTTAC	GTATTCCTTTTACTACTATTATTTTTCAAAACAAGATGTATGCGCTAAT	480
Qy	1248	TCAAAACATCA	TTTTTACTTTTGGATATATGGCGGTATTTAGCACAGCCTTT - GGGGATAATGT	1306
Db	481	TCAAAACATCA	TTTTTACTTTTGGATATATGGCGGTATTTAGCACAGCCTTTGGGGGATAATGT	540
Qy	1307	GTGAGCGAAT	1317	
Db	541	GTGAGCGAAT	551	

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Job time : 1142.85 secs

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: December 13, 2005, 14:42:16 ; Search time 149.15 Seconds  
(without alignment)  
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Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3392430 seqs, 186927314 residues

Total number of hits satisfying chosen parameters: 6784860

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 8: /cgn2\_6/ptodata/2/pubpna/US12\_NEW\_PUB.seq.\*
- 9: /cgn2\_6/ptodata/2/pubpna/US13\_NEW\_PUB.seq.\*
- 10: /cgn2\_6/ptodata/2/pubpna/US14\_NEW\_PUB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	48.8	3.7	427	US-10-821-234-288	Sequence 288, App
2	44.6	3.4	579	US-10-750-185-1291	Sequence 1291, App
3	41.2	3.1	1431	US-10-750-185-33765	Sequence 33765, A
4	40.8	3.1	976	US-10-750-185-36571	Sequence 36571, A
5	38.6	2.9	1717	US-10-750-185-33666	Sequence 33666, A
6	38.4	2.9	1512	US-11-139-195-3	Sequence 3, Appli
7	38.4	2.9	1371	US-11-139-195-1	Sequence 1, Appli
8	38.4	2.9	4668	US-10-750-185-47661	Sequence 47661, A
9	37.2	2.8	1082144	US-11-117-187-211	Sequence 211, App
10	36.8	2.8	588	US-11-117-187-41	Sequence 41, Appl
11	36.8	2.8	134499	US-11-117-187-192	Sequence 192, App
12	36.8	2.8	156544	US-11-121-086-81	Sequence 81, Appl
13	36.8	2.8	166111	US-11-112-908-47	Sequence 47, Appl
14	36.4	2.8	1838	US-10-750-185-47394	Sequence 47394, A
15	36.2	2.7	7744	US-10-750-185-55059	Sequence 55059, A
16	35.8	2.7	170995	US-11-121-086-35	Sequence 35, Appl
17	35.6	2.7	2038	US-10-750-185-51020	Sequence 51020, A
18	35.6	2.7	2954	US-10-793-628-3359	Sequence 3359, Ap
19	35.6	2.7	3198	US-10-793-628-3987	Sequence 3987, Ap
20	35.4	2.7	1033	US-10-750-185-26458	Sequence 26458, A
21	35.4	2.7	1795	US-10-750-185-54055	Sequence 54055, A
22	35	2.7	1695	US-11-074-176-97	Sequence 97, Appl
23	35	2.7	2140	US-10-510-386-75	Sequence 75, Appl

## ALIGNMENTS

### RESULT 1

US-10-821-234-288  
; Sequence 288, Application US/10821234  
; Publication No. US20050255114A1  
; GENERAL INFORMATION:  
; APPLICANT: Labat, Ivan  
; APPLICANT: Stache-Crain, Birgit  
; APPLICANT: Andarmani, Susan  
; APPLICANT: Tang, Y. Tom  
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia  
; FILE REFERENCE: 821A  
; CURRENT APPLICATION NUMBER: US/10/821,234  
; PRIOR FILING DATE: 2004-04-07  
; PRIOR APPLICATION NUMBER: US 60/462,047  
; FILING DATE: 2003-04-07  
; NUMBER OF SEQ ID NOS: 1704  
; SOFTWARE: DT\_SEQ\_genes Version 1.0  
; SEQ ID NO 288  
; LENGTH: 427  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-821-234-288

Query Match 3.7%; Score 48.8; DB 6; Length 427;  
Best Local Similarity 56.1%; Pred. No. 0.0066;  
Matches 92; Conservative 0; Mismatches 72; Indels 0; Gaps 0;  
QY 1064 TGGTCTGTTATCTCTGTGCACTGTCTGTGCACTATTGTGTGCACTATTTC 1123  
DB 33 TTGTCCTTATCTTTTGGTTATCTCTGTGCACTATTGTGTGCACTATTTC 92  
QY 1124 TACTAAATGCAGAGATTACCGGTGGCAATGCAGCAAGTTTCTCTCTGTCATCACTG 1183  
DB 93 ACCTATGTGCAGAGATTATCATTTGGCAATGGCGTTCCTTACGAGTGGCTTACTG 152  
QY 1184 CAATCTATGTTTACATGTTTCTTTTACTACTATTTTTCAAA 1227  
DB 153 CAGTTTATTTCTTAATCTATGCACTACTACTTCTTTTCAAAA 196

### RESULT 2

US-10-750-185-1291  
; Sequence 1291, Application US/10750185  
; Publication No. US200502603A1  
; GENERAL INFORMATION:  
; APPLICANT: MWI GENOMICS, INC.



	Query Match	2.9%;	Score 38.4;	DB 7;	Length 1512;
	Best Local Similarity	50.0%;	Pred. No. 3.8;		
	Matches	96;	Conservative	0;	Mismatches 96;
					Indels 0;
					Gaps 0;
QY	11	ATGATTTACCATATATGGGGTATTTGGTGGAGGCTGATGAAATCGGAGAAGATTACTATC	70		
Db	320	ATGCCATTTCAATTTGGAAAAATCTTCTTGAACCTTGATGCAAAAAGGAAAACTTTCTC	379		
QY	71	TTTGGACCTATAAAAAATTGGAATAGGTTTTTAATGGAAATCGAATCTGTTGATGTTATC	130		
Db	380	ACAGAGATGATAACCAACTTAAAGAAAGTGGGAGAAAAATGAAATCATTGCCAAGAAAT	439		
QY	131	TAACTAGTAGGAAGAAAGGTGAAACTGGTTTCCAAATCTAAAAATCCAGATGTCATTTCAG	190		

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RESULT 8
US-10-750-185-47661/c
/ Sequence 47661, Application US/10750185
/ Publication NO. US20050260603A1
/ GENERAL INFORMATION:
/ APPLICANT: MMI GENOMICS, INC.
/ APPLICANT: DeNise, Sue K.
/ APPLICANT: KERR, Richard
/ APPLICANT: ROSENFELD, David
/ APPLICANT: HOLM, Tom
/ APPLICANT: BATES, Stephen
/ APPLICANT: FANTIN, Dennis
/ TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
/ FILE REFERENCE: MM1100-2
/ CURRENT APPLICATION NUMBER: US/10/750.185
/ CURRENT FILING DATE: 2003-12-31
/ PRIOR APPLICATION NUMBER: US 60/437,482
/ PRIOR FILING DATE: 2002-12-31

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; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47661
; LENGTH: 4668
; TYPE: DNA
; ORGANISM: Bovine 19866880680556
US-10-750-185-47661

Query Match          2.9%; Score 38.4; DB 6; Length 4668;
Best Local Similarity 55.1%; Pred. No. 6.1;
Matches 75; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 297 CATGATGGTGATCTCTTGGTGGGCTTAGTTTCAATGATTTTAAATGAGAACATTAGAAA 356
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1735 CTTTGTGGTGTCTCCCTGGTGGTATCCAGTGTCAAGAAATTTGAATGCTTAACACCATCAA 1676
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 357 AGATTATCTCGGTACAGTAAGAGAGAGAAATGATGATGATGATGATGATGATGATGATGAT 416
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1675 ACCTTTCTTTGGTTTCTTTGAAGGATGTCAAGAAGAGATGTATAAAAAAATGCAAGG 1616
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 417 TGAATATGGATGGAAA 432
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1615 TGAATATGGTGGAAA 1600
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 9
US-11-117-187-211/c
; Sequence 211, Application US/11117187
; Publication No. US20050266560A1
; GENERAL INFORMATION:
; APPLICANT: PREUSS, DAPHNE
; APPLICANT: COPENHAVER, GREGORY
; TITLE OF INVENTION: PLANT ARTIFICIAL CHROMOSOME COMPOSITIONS AND METHODS
; FILE REFERENCE: ARCD:309US
; CURRENT APPLICATION NUMBER: US/11/117,187
; CURRENT FILING DATE: 2005-04-28
; PRIOR APPLICATION NUMBER: US/09/531,120
; PRIOR FILING DATE: 2000-03-17
; PRIOR FILING DATE: 2000-03-17
; PRIOR FILING DATE: 1999-03-18
; NUMBER OF SEQ ID NOS: 212
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 211
; LENGTH: 1082144
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-11-117-187-211

Query Match          2.8%; Score 37.2; DB 7; Length 1082144;
Best Local Similarity 52.6%; Pred. No. 1e+02;
Matches 81; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 1162 TTTCTCTGCTGCATCAACTGCAATCTATGTTTACATGATATTCCTTTTACTACTATTTT 1221
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 269802 TTCTCCGTTTCATGCTCAATTTCCACATTAATCAAAACGCTGGCTATATCAATATICA 269743
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 1222 TTCAAAACAAAGATGTATGGCTTATTTTCAACATCATTTTACTTTTGGATATATGGCGGTA 1281
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 269742 TTTAATATAATAAGTTTAGCACAATCAACATAAAGTTTGCTTACATTACACGGCATCT 269683
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 1282 TTTAGCACAGCTTGGGATATATGTGGACGA 1315
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 269682 CTTTTCACAACTTTGTCAATTCATTGTACAGAGA 269649
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 10
US-10-689-742-41/c
; Sequence 41, Application US/10689742
; Publication No. US20050250180A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M
; APPLICANT: LaVallie, Edward R
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; TYPE: DNA
; ORGANISM: Bovine 19866880459099
US-10-750-185-55059

Query Match      2.7%; Score 36.2; DB 6; Length 7744;
Best Local Similarity 46.9%; Pred. No. 26;
Matches 113; Conservative 0; Mismatches 128; Indels 0; Gaps 0;

Qy 75 GACCTATAAATACTTGAATAGGTTTTTAATGGAAATCGAATTGTTGATGTTAATCTAAC 134
Db 5671 GTCATATAAATACTTACCACATTTCTCCATACCCAGCAGGATTAGGGAATGAAATTCATA 5730

Qy 135 TAGTGAAGGAAGCTGAAACTGGTTCCAAATCTAAATCCAGATGTCATATTCAGTAAA 194
Db 5731 AAACATAATAGAGATAAACATCCATGATCATTTAATGCTCAAGAAATACAGACTAATGACT 5790

Qy 195 ATGGAATAAGTCAGATGTGAAATTTGAAGATCGAATTTGACAAATATCTTGATCCGTCCTT 254
Db 5791 CCTGAAAACTACTGCTGAGAGAATTAAGAAGACCTAAATAAATAGAAATATATGTTATA 5850

Qy 255 TTTTCAACATCGGATTCATTTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTT 314
Db 5851 TTCGTAGATTGGAAGACAATATTTTAGAATGTCAAAATCCTTGTATTCTCAATAGTATT 5910

Qy 315 G 315
Db 5911 G 5911
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GenCore version 5.1.6  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	45.4	3.4	3422	6 US-10-250-987A-1	Sequence 1, Appli
2	39.8	3.0	4916	6 US-10-556-747-7	Sequence 7, Appli
3	38.8	2.9	753	6 US-10-868-184C-478	Sequence 478, Appl
4	38.6	2.9	726	7 US-11-284-088-18	Sequence 18, Appli
5	38.6	2.9	5849	7 US-11-270-287-1	Sequence 1, Appli
6	37.6	2.9	99300	1 PCT-US05-10912-2	Sequence 2, Appli
7	36.8	2.8	2674	6 US-10-868-184C-9096	Sequence 9096, Ap
8	36	2.7	99050	1 PCT-US05-10912-13	Sequence 13, Appli
9	35	2.7	46487	6 US-10-868-184C-10520	Sequence 10520, A
10	34.4	2.6	2394	8 US-60-732-162-1687	Sequence 1687, Ap
11	34.4	2.6	10675	6 US-10-868-184C-10186	Sequence 10186, A
12	34.4	2.6	10677	6 US-10-868-184C-10185	Sequence 10185, A
13	34.4	2.6	15244	6 US-10-868-184C-10187	Sequence 10187, A
14	34	2.6	2388	6 US-10-868-184C-1624	Sequence 1624, Ap
15	34	2.6	21371	6 US-10-868-184C-10177	Sequence 10177, A
16	33.8	2.6	1725	1 PCT-US05-39299-46	Sequence 46, Appli
17	33.8	2.6	1725	1 PCT-US05-39299-47	Sequence 47, Appli
18	33.8	2.6	4113	8 US-60-732-162-933	Sequence 933, Appl
19	33.8	2.6	15223	6 US-10-934-003A-1	Sequence 1, Appli
20	33.4	2.5	272	5 US-09-980-559A-60	Sequence 60, Appli
21	33.4	2.5	30620	6 US-10-868-184C-12040	Sequence 12040, A
22	33.2	2.5	3422	6 US-10-250-987A-1	Sequence 1, Appli
23	33	2.5	905	7 US-11-197-712-88	Sequence 88, Appli
24	33	2.5	45698	6 US-10-868-184C-10364	Sequence 10364, A
25	33	2.5	2944528	7 US-11-045-004-1	Sequence 1, Appli

## ALIGNMENTS

RESULT 1  
US-10-250-987A-1  
; Sequence 1, Application US/10250987A  
; GENERAL INFORMATION:  
; APPLICANT: Bisogni, Rita  
; APPLICANT: Lamberti, Annalisa  
; APPLICANT: Petrella, Antonello  
; APPLICANT: Romana, Maria Piammetta  
; APPLICANT: Turco, Maria Caterina  
; APPLICANT: Venuta, Salvatore  
; TITLE OF INVENTION: Nucleotide Sequences and Protein(s) Encoded by Such Nucleotides  
; FILE REFERENCE: 50294/006001  
; CURRENT APPLICATION NUMBER: US/10/250,987A  
; PRIORITY FILING DATE: 2003-11-25  
; PRIOR APPLICATION NUMBER: PCT/EP02/00171  
; PRIOR FILING DATE: 2002-01-10  
; PRIOR APPLICATION NUMBER: RM01A000005  
; PRIOR FILING DATE: 2001-01-10  
; NUMBER OF SEQ ID NOS: 21  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 1  
; LENGTH: 3422  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: mRNA  
; LOCATION: (1)..(3422)  
; OTHER INFORMATION: full-length AIR cDNA comprising the ORFs corresponding to:  
; OTHER INFORMATION: seqIDN2, seqIDN4, seqIDN6, seqIDN8.  
US-10-250-987A-1

Query Match 3.4%; Score 45.4; DB 6; Length 3422;  
Best Local Similarity 49.0%; Pred. NO. 0.0051;  
Matches 121; Conservative 0; Mismatches 126; Indels 0; Gaps 0;

QY	57	AGAGATTACTATCTTTGGACCTATATAAACTTGAATAGTGTTCCTTAAATGGAATCGAAT	116
DB	3044	AAATATATAATTTGTTATTCCTCAATAGAAACACAGAAATATTTTTTAATTCGAAGACT	3103
QY	117	TGTTGATGTTTAACTTAACCTAGTGAAGGAAAGTGAACCTGGTTCCAAATCTAAATCCCA	176
DB	3104	TTTGTGACCAATTTATATACTACCTTAAATAAATAAATTCACACTATTATATTATAA	3163
QY	177	GATGTCATTTTCAGTAAATCGAAAACTCAGATGTGAAATTTGAAGATCGATTTGACAA	236
DB	3164	TAATAAAAGTCTCAAAAAAAGCTTCAACATTTAAATTTTTTAAATGTTTATAGATTTAAAT	3223

Sequence 12742, A  
Sequence 9956, Ap  
Sequence 1, Appli  
Sequence 556, App  
Sequence 566, App  
Sequence 569, App  
Sequence 570, App  
Sequence 206, App  
Sequence 34, Appli  
Sequence 6472, Ap  
Sequence 58, Appli  
Sequence 8245, Ap  
Sequence 12605, A  
Sequence 9658, Ap  
Sequence 8836, Ap  
Sequence 8834, Ap  
Sequence 1, Appli  
Sequence 8008, Ap  
Sequence 8009, Ap

c 26 32.8 2.5 7784 6 US-10-868-184C-12742  
c 27 32.8 2.5 37437 6 US-10-868-184C-9956  
c 28 32.8 2.5 2242716 6 US-10-018-470B-1  
29 32.6 2.5 3670 7 US-11-268-554-556  
30 32.6 2.5 3670 7 US-11-268-554-566  
31 32.6 2.5 3670 7 US-11-268-554-569  
32 32.6 2.5 3670 7 US-11-268-554-570  
33 32.6 2.5 3670 7 US-11-268-554-570  
34 32.6 2.5 3670 7 US-11-191-274A-206  
c 35 32.6 2.5 7056 7 US-11-280-757-34  
36 32.6 2.5 36835 6 US-10-868-184C-6472  
37 32.4 2.5 592 1 PCT-IL04-00549-58  
38 32.4 2.5 973 6 US-10-868-184C-8245  
39 32.4 2.5 3676 6 US-10-868-184C-12605  
c 40 32.2 2.4 513 6 US-10-868-184C-9655  
c 41 32.2 2.4 18004 6 US-10-868-184C-8836  
c 42 32.2 2.4 18007 6 US-10-868-184C-8834  
c 43 32.2 2.4 261789 7 US-11-260-842-1  
c 44 32 2.4 7255 6 US-10-868-184C-8008  
c 45 32 2.4 7255 6 US-10-868-184C-8009

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QY 237 ATATCTTCATCGGTCCTTTTTCACATCGGATTCATTGGTTTCAATTTTCAACTCCTT 296
Db 3224 TAATGAAAAAATTATGATTTTAAAAAATTTAATGATATAGTACATTTTAAAAATATTT 3283
QY 297 CATGATG 303
Db 3284 TGTGTG 3290

RESULT 2
US-10-556-747-7
; Sequence 7, Application US/10556747
; GENERAL INFORMATION:
; APPLICANT: EXELIXIS, INC
; TITLE OF INVENTION: MPTENS AS MODIFIERS OF THE PTEN/IGF PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX04-039
; CURRENT APPLICATION NUMBER: US/10/556,747
; CURRENT FILING DATE: 2005-11-10
; PRIOR APPLICATION NUMBER: US60/479,768
; PRIOR FILING DATE: 2003-06-19
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
; LENGTH: 4916
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-556-747-7

Query Match 3.0%; Score 39.8; DB 6; Length 4916;
Best Local Similarity 49.3%; Pred. No. 0.18;
Matches 104; Conservative 0; Mismatches 107; Indels 0; Gaps 0;

QY 39 TGAGCGTGATGAAATGAGAGATTACTATCTTTGGACCTATAAAAACTTGAATAGG 98
Db 825 TGAAGAGGTTGAACCAAGAACATGAAGATGATGTTGAGATCAAGATGATGAAGATGA 884
QY 99 TTTTAATGGAATCGAATTGTTGATGTTAATCTAACTAGTGAAGAAAGTGAACTGGT 158
Db 885 TGATGATGATGACGATGATGATGATGATGATGATGATGATGATGATGATGATGAAGA 944
QY 159 TCCAAATCTAAATCCAGATGTCATATTCAGTAAATGGAATAAGTCAGATGGAATTT 218
Db 945 TGGAGAGAGAGATCAGAGCGATATATCTTAGACAGAAAAAGCTACTGTTTACTA 1004
QY 219 TGAAGATCGATTGACAAATATCTTGATCCG 249
Db 1005 TCAGGCTCCATTGGAAAAACCTCGTCACCAG 1035

RESULT 3
US-10-868-184C-478
; Sequence 478, Application US/10868184C
; GENERAL INFORMATION:
; APPLICANT: Rosen, et. al
; TITLE OF INVENTION: Human Secreted Proteins
; FILE REFERENCE: PS805
; CURRENT APPLICATION NUMBER: US/10/868,184C
; CURRENT FILING DATE: 2004-06-16
; PRIOR APPLICATION NUMBER: 60/278,650
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/833,245
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: PCT/US01/11988
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: PCT/US00/06043
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06012
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06058
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06044
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06059
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; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06042
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06014
; PRIOR FILING DATE: 2000-03-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 13046
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 478
; LENGTH: 753
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (706)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (741)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (746)
; OTHER INFORMATION: n equals a,t,g, or c
; US-10-868-184C-478

Query Match 2.9%; Score 38.8; DB 6; Length 753;
Best Local Similarity 53.2%; Pred. No. 0.18;
Matches 82; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 89 TTGAAATAGGTTTAAATGGAAATCGAATTCGATTCGATTAATCTAACTAGTGAAGAAAGG 148
Db 373 TGGAAATATCCCTTAAGTAGAAAAAGAAATTTTCTGAGCTTTGCCCTAAAACTAGAATCTGTG 432
QY 149 TGAACCTGGTCCAAATCTAAATCCAGATGTCATATTCAGTAAATGGAAGAAAGTCAG 208
Db 433 TTGAGGTTTTTCAAAAATTAAGTAACGCCAGACATACTGTGACGTGAGGAAACGCTCTT 492
QY 209 ATGTGAAATTTGAAGATCGGATTTGACAAATATCT 242
Db 493 AAATGAAATTTAAGATCTATTTGAGAAACATGT 526

RESULT 4
US-11-284-088-18
; Sequence 18, Application US/11284088
; GENERAL INFORMATION:
; APPLICANT: POLYMERPOULOUS, MIHAEL
; APPLICANT: LAVEDAN, CHRISTIAN
; APPLICANT: LEROY, ELISABETH
; APPLICANT: NUSSBAUM, ROBERT
; APPLICANT: JOHNSON, WILLIAM
; APPLICANT: DUVOISIN, ROGER
; TITLE OF INVENTION: CLONING OF A GENE MUTATION FOR PARKINSON'S DISEASE
; FILE REFERENCE: 31978-164334
; CURRENT APPLICATION NUMBER: US/11/284,088
; CURRENT FILING DATE: 2005-11-22
; PRIOR APPLICATION NUMBER: US/09/446,628
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 726
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (553)
; OTHER INFORMATION: a, t, c, g, other or unknown
; US-11-284-088-18

Query Match 2.9%; Score 38.6; DB 7; Length 726;
Best Local Similarity 47.0%; Pred. No. 0.2;
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; FILE REFERENCE: PS805
; CURRENT APPLICATION NUMBER: US/10/868,184C
; CURRENT FILING DATE: 2004-06-16
; PRIOR APPLICATION NUMBER: 60/278,650
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/833,245
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: PCT/US01/11988
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: PCT/US00/06043
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06012
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06058
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06044
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06059
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06042
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06014
; PRIOR FILING DATE: 2000-03-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 13046
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 9096
; LENGTH: 2674
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-868-184C-9096

Query Match      2.8%; Score 36.8; DB 6; Length 2674;
Best Local Similarity 51.9%; Pred. No. 0.91;
Matches 83; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

Qy 99 TTTTAATGGAATCGAATGTTGATGTTAACTCACTAGTGAAGGAAGGTGAACCTGGT 158
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 2209 TTCAAACTCAGAATGAATTTTTCATTATATTAATAATTTGTGAAGCAAAAGGTCAATAGGCT 2268

Qy 159 TCCAAATACTAAATCCAGATGTCATATTTCAGTAAATGGAATAAGTCAGATGTGAAT 218
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 2269 TATATTTAATTAAGCCCTACTGAAGATAAGAATAGCTAGAACTAGTGTCTT 2328

Qy 219 TGAAGATCGATTGACAAATCTTGATCCGCTCTTTT 258
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 2329 TGAAGGTTTTTTTATTTTGTGTTTTTTTGGGGTTTTTTT 2368
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RESULT 8
PCT-US05-10912-13/c
; Sequence 13, Application PC/TUS0510912
; GENERAL INFORMATION:
; APPLICANT: SEQUENOM, INC.
; TITLE OF INVENTION: METHODS FOR IDENTIFYING RISK OF OSTEOARTHRITIS AND TREATMENTS
; FILE OF INVENTION: THEREOF
; FILE REFERENCE: SEQ-4087-PC
; CURRENT APPLICATION NUMBER: PCT/US05/10912
; CURRENT FILING DATE: 2005-03-31
; PRIOR APPLICATION NUMBER: 60/559,011
; PRIOR FILING DATE: 2004-04-01
; PRIOR APPLICATION NUMBER: 60/559,203
; PRIOR FILING DATE: 2004-04-01
; PRIOR APPLICATION NUMBER: 60/559,202
; PRIOR FILING DATE: 2004-04-01
; NUMBER OF SEQ ID NOS: 3560
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 13
; LENGTH: 99050
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: modified_base
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; LOCATION: (17988)..(17988)
; OTHER INFORMATION: a, c, g, or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (19116)..(19116)
; OTHER INFORMATION: a, c, g, or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (29648)..(29648)
; OTHER INFORMATION: a, c, g, or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (48282)..(48282)
; OTHER INFORMATION: a, c, g, or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (48376)..(48376)
; OTHER INFORMATION: a, c, g, or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (64284)..(64284)
; OTHER INFORMATION: a, c, g, or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (68418)..(68418)
; OTHER INFORMATION: a, c, g, or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (78310)..(78310)
; OTHER INFORMATION: a, c, g, or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (87992)..(87992)
; OTHER INFORMATION: a, c, g, or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (88135)..(88135)
; OTHER INFORMATION: a, c, g, or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (88149)..(88149)
; OTHER INFORMATION: a, c, g, or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (93375)..(93375)
; OTHER INFORMATION: a, c, g, or t
PCT-US05-10912-13
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Query Match      2.7%; Score 36; DB 1; Length 99050;
Best Local Similarity 55.6%; Pred. No. 4.9;
Matches 69; Conservative 0; Mismatches 55; Indels 0; Gaps 0;

Qy 363 TGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGAGATGAATA 422
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 77578 TGTTGGGGAGTTCAGGAGCCCAACGAGGAGACTGGCTGAAGCCATGGCAGAGAACG 77519

Qy 423 TGGATGGAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTC 482
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 77518 TGGATTGTGAAGATTTTCATGACATTTATTAGTTCCCAAAATTAATACTTTTATAATTC 77459

Qy 483 CTCT 486
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Db 77458 CTAT 77455
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RESULT 9
US-10-868-184C-10520
; Sequence 10520, Application US/10868184C
; GENERAL INFORMATION:
; APPLICANT: Rosen, et. al
; TITLE OF INVENTION: Human Secreted Proteins
; FILE REFERENCE: PS805
; CURRENT APPLICATION NUMBER: US/10/868,184C
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; CURRENT FILING DATE: 2004-06-16
; PRIOR APPLICATION NUMBER: 60/278,650
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/833,245
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: PCT/US01/11988
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: PCT/US00/06043
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06012
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06058
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06044
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06059
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06042
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06014
; PRIOR FILING DATE: 2000-03-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 13046
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10520
; LENGTH: 46487
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-868-184C-10520

Query Match      2.7%; Score 35; DB 6; Length 46487;
Best Local Similarity 66.7%; Pred. No. 7;
Matches 50; Conservative 0; Mismatches 25; Indels 0; Gaps 0;

QY 769 AGAGCCATTCCTTTTGGAAACAATGGGCGCTTGTGTCATCTGTTTTTCTTATCTT 828
Db 7565 AGGAATTCCTTTGTGGAAATGGTGGAGTGTATGCTTTTTTTTTTTTAACTCT 7624

QY 829 CCTCTAAATCTTGTT 843
Db 7625 ATTAATCTCTTTT 7639

RESULT 10
US-60-732-162-1687/c
; Sequence 1687, Application US/60732162
; GENERAL INFORMATION:
; APPLICANT: Belouchi, Abdelmajid
; APPLICANT: Raelson, John V
; APPLICANT: Bradley, Walter E
; APPLICANT: Paquin, Bruno
; APPLICANT: Fournier, Helene
; APPLICANT: Nguyen-Huu, Quynh
; APPLICANT: Croteau, Pascal
; APPLICANT: Allard, Rene
; APPLICANT: Debrus, Sophie
; APPLICANT: Berdewegh, Paul V
; APPLICANT: Little, Randall D
; APPLICANT: Keith, Tim
; APPLICANT: Segal, Jonathan
; TITLE OF INVENTION: Genemap of the Human Genes Associated With Asthma Disease
; FILE REFERENCE: 059908-5010-PR
; CURRENT APPLICATION NUMBER: US/60/732,162
; CURRENT FILING DATE: 2005-11-02
; NUMBER OF SEQ ID NOS: 4417
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1687
; LENGTH: 2394
; TYPE: DNA
; ORGANISM: Homosapiens
US-60-732-162-1687

Query Match      2.6%; Score 34.4; DB 8; Length 2394;
Best Local Similarity 46.6%; Pred. No. 6.3;
Matches 110; Conservative 0; Mismatches 126; Indels 0; Gaps 0;

QY 161 CAATATACTAAATCCAGATGTCATATTCAGTAAATGGAAGTGAAGTCAAGTGAATTTG 220
Db 423 CACATGCAAGAAGTCTTAGAATCTACCTGGAAATGATTAAATACCTCAAAATGTTATTAT 482

QY 221 AAGATCGATTTTGACAAATATCTTGATCCGTCCTCTTTTCAACATCGGATTCATTCGTTT 280
Db 483 GTGTTGGCAGTGGGTAAATAGTATATCTTATCCAGCTTGCTCAGGCTCTTTAGCTTA 542

QY 281 CAATTTTCAACTCCTTCATGATGTGATCTTTCTTTGGTGGCTTAGTCTTTCAATGATTTTAA 340
Db 543 ACATTTCTTTTACCTTTTGGAAACCAGTCCCTTAATTCATTTATATTTTAAATGTTTATAT 602
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Best Local Similarity 52.7%; Pred. No. 3.8;
Matches 97; Conservative 0; Mismatches 86; Indels 1; Gaps 1;

QY 1107 TGTGTGCACATATTTTCTACTAAATGCAGAGATTCACGGTGGCAATGGAAGTCTTCT 1166
Db 2214 TTTTGTGAACAAATGTTATTCACATTTATGAGATTTGTGGGTTCTCTACAAATTTTCT 2155

QY 1167 CTCGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTTCAA 1226
Db 2154 GAAAGTTTAAGCACTG-ATGCAAGTCTTCCATCTAGTATAATGTAAATTTTTTTCAG 2096

QY 1227 RACAAAGATGATGGCTTATTTTCAAAACATCAFTTTTACCTTTGATATATGCGGTAFTT 1286
Db 2095 RAGAAATATCTCTTTGTGTCTCGGAGACTTATATTTTCATGAAGGTCCTTCAATAGTAT 2036

QY 1287 CACA 1290
Db 2035 TACA 2032

RESULT 11
US-10-868-184C-10186
; Sequence 10186, Application US/10868184C
; GENERAL INFORMATION:
; APPLICANT: Rosen, et. al
; TITLE OF INVENTION: Human Secreted Proteins
; FILE REFERENCE: PS805
; CURRENT APPLICATION NUMBER: US/10/868,184C
; CURRENT FILING DATE: 2004-06-16
; PRIOR APPLICATION NUMBER: 60/278,650
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/833,245
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: PCT/US01/11988
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: PCT/US00/06043
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06012
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06058
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06044
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06059
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06042
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06014
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 13046
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10186
; LENGTH: 10675
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-868-184C-10186

Query Match      2.6%; Score 34.4; DB 6; Length 10675;
Best Local Similarity 46.6%; Pred. No. 6.3;
Matches 110; Conservative 0; Mismatches 126; Indels 0; Gaps 0;

QY 161 CAATATACTAAATCCAGATGTCATATTCAGTAAATGGAAGTGAAGTCAAGTGAATTTG 220
Db 423 CACATGCAAGAAGTCTTAGAATCTACCTGGAAATGATTAAATACCTCAAAATGTTATTAT 482

QY 221 AAGATCGATTTTGACAAATATCTTGATCCGTCCTCTTTTCAACATCGGATTCATTCGTTT 280
Db 483 GTGTTGGCAGTGGGTAAATAGTATATCTTATCCAGCTTGCTCAGGCTCTTTAGCTTA 542

QY 281 CAATTTTCAACTCCTTCATGATGTGATCTTTCTTTGGTGGCTTAGTCTTTCAATGATTTTAA 340
Db 543 ACATTTCTTTTACCTTTTGGAAACCAGTCCCTTAATTCATTTATATTTTAAATGTTTATAT 602
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; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06059
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06042
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06014
; PRIOR FILING DATE: 2000-03-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 13046
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1624
; LENGTH: 2388
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-868-184C-1624

Query Match      2.6%; Score 34; DB 6; Length 2388;
Best Local Similarity 52.1%; Pred. No. 4.9;
Matches 76; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 336 TTTAATGAGAACATTAAAGAAAGATTATGCTCGGTACAGTAAGAGAGAAATCGATGA 395
    |||||
Db 955 TTTACTGAAACAGACTTTTACTACGAAGTGTAAATGGAAGTCAGGACCCCAAATGGAGG 1014
    |||||

QY 396 TATGGATAGAGACCTAGGAGATGAATATGGATGGAACACAGGTGCATGGAGATGTATTTAG 455
    |||||
Db 1015 ACTGCTGAAGCCATGGCAGAGACATAAATTGTGAAGATTTCATGGACATTATTATTAGT 1074
    |||||

QY 456 ACCATCAAGTCACCCACTGATATTTT 481
    |||||
Db 1075 TCCCAAAATTAATACTTTTATAATTT 1100
    |||||
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## RESULT 15

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US-10-868-184C-10177
; Sequence 10177, Application US/10868184C
; GENERAL INFORMATION:
; APPLICANT: Rosen, et. al
; TITLE OF INVENTION: Human Secreted Proteins
; FILE REFERENCE: PS805
; CURRENT APPLICATION NUMBER: US/10/868,184C
; CURRENT FILING DATE: 2004-06-16
; PRIOR APPLICATION NUMBER: 60/278,650
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/833,245
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: PCT/US01/11988
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: PCT/US00/06043
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06012
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06058
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06044
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06059
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06042
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06014
; PRIOR FILING DATE: 2000-03-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 13046
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10177
; LENGTH: 21371
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (6392)
; OTHER INFORMATION: n equals a,t,g, or c
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## US-10-868-184C-10177

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Query Match      2.6%; Score 34; DB 6; Length 21371;
Best Local Similarity 56.1%; Pred. No. 10;
Matches 64; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

QY 969 AATTTTACCTTTTGGTTCAATCTTTATTGAAATGTAATTCATCTTCACGTCTTTCTGGGC 1028
    |||||
Db 19822 AACTTTCCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTC 19881
    |||||

QY 1029 ATATAAGATCTATTATGTCTATGGCTTCATCATGCTGCTGCTGCTGCTGCTGCTGCTG 1082
    |||||
Db 19882 TTACATGGTTCTGCTGGATTACATTTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTG 19935
    |||||
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Search completed: December 13, 2005, 20:01:04  
Job time : 32.154 secs

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Result No.	Score	Query		Length	DB	ID	Description
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1	1800	100.0	1827	3	US-09-786-681A-3		Sequence 3, Appli
2	1800	100.0	2072	3	US-09-786-681A-1		Sequence 1, Appli
3	444	24.7	444	3	US-09-621-976-18829		Sequence 18829, A
4	383.4	21.3	440	3	US-09-513-999C-3708		Sequence 3708, Ap
C 5	369.8	20.5	771	3	US-09-270-767-679		Sequence 679, App
C 6	369.8	20.5	771	3	US-09-270-767-15961		Sequence 15961, A
7	364.8	20.3	433	3	US-09-513-999C-3502		Sequence 3502, Ap
8	230.8	12.8	571	3	US-09-270-767-28434		Sequence 28434, A
9	230.8	12.8	1151	3	US-09-270-767-12633		Sequence 12633, A
10	227.6	12.6	2391	3	US-09-949-016-3623		Sequence 3623, Ap
11	227.6	12.6	2805	3	US-08-959-004-6		Sequence 6, Appli
12	226	12.6	1878	3	US-10-104-047-1699		Sequence 1699, Ap
13	161.2	9.0	995	3	US-09-270-767-14715		Sequence 14715, A
14	132.8	7.4	726	3	US-09-248-796A-6208		Sequence 6208, Ap
15	101	5.6	282	3	US-09-313-294A-2292		Sequence 2292, Ap
C 16	91.6	5.1	769	3	US-09-385-982-530		Sequence 530, App
C 17	64.6	3.6	302	3	US-09-702-705-1002		Sequence 1002, Ap
C 18	64.6	3.6	302	3	US-09-736-457-1002		Sequence 1002, Ap
C 19	64.6	3.6	302	3	US-09-614-124B-1002		Sequence 1002, Ap
C 20	64.6	3.6	302	3	US-09-671-325-1002		Sequence 1002, Ap
C 21	64.6	3.6	302	3	US-09-658-824-1002		Sequence 1002, Ap
C 22	64.6	3.6	302	3	US-10-017-754-1002		Sequence 1002, Ap
C 23	64.6	3.6	302	3	US-09-651-563-1002		Sequence 1002, Ap
24	56.4	3.1	279	3	US-09-313-294A-4533		Sequence 4533, Ap



Db	1445	GGGCATATAAGATCTATTAATGCTATGGCTTCATGATGCTGGTGGTCTGCTGCTATCCTGTGCA	1504
Qy	1441	TTGTGACTGCTGTGTGACTATTTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACC	1500
Db	1505	TTGTGACTGCTGTGTGACTATTTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACC	1564
Qy	1501	GGTGGCAATGGACAAGTTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATT	1560
Db	1565	GGTGGCAATGGACAAGTTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATT	1624
Qy	1561	CCTTTACTACTATTTTTTCCAAAACAAAGATGTATGGCTTATTTCAAACAATCATTTTACT	1620
Db	1625	CCTTTACTACTATTTTTTCCAAAACAAAGATGTATGGCTTATTTCAAACAATCATTTTACT	1684
Qy	1621	TTGGATATATGGCGGTATTTTAGCACAGCCTTGGGGATAATGCTGGAGCGATTGGTTACA	1680
Db	1685	TTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGCTGGAGCGATTGGTTACA	1744
Qy	1681	TGGGAACAAGTGGCTTTTGTCGCAAAAATCTATACTAATGTGAAAAATTGACTAGAGACCCA	1740
Db	1745	TGGGAACAAGTGGCTTTTGTCGCAAAAATCTATACTAATGTGAAAAATTGACTAGAGACCCA	1804
Qy	1741	AGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACCTTGCAAGCAAAA	1800
Db	1805	AGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACCTTGCAAGCAAAA	1864
RESULT 3			
US-09-621-976-18829			
; Sequence 18829, Application US/09621976			
; Patent No. 6639063			
; GENERAL INFORMATION:			
; APPLICANT: Dumas Milne Edwards, J.B.			
; APPLICANT: Jobert, S.			
; APPLICANT: Giordano, J.Y.			
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.			
; FILE REFERENCES: GENSET.054PR2			
; CURRENT APPLICATION NUMBER: US/09/621,976			
; CURRENT FILING DATE: 2000-07-21			
; NUMBER OF SEQ ID NOS: 19335			
; SOFTWARE: Patent.pm			
; SEQ ID NO 18829			
; LENGTH: 444			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-09-621-976-18829			
Query Match 24.7%; Score 444; DB 3; Length 444;			
Best Local Similarity 100.0%; Pred. No. 1.4e-107;			
Matches 444; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
Qy	486	CTAACTAGTGAAGAAAGGTGAAACCTGGTTCGAAATCTAAATCCAGATGTCATATCA	545
Db	1	CTAACTAGTGAAGAAAGGTGAAACCTGGTTCGAAATCTAAATCCAGATGTCATATCA	60
Qy	546	GTAATAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGCACAAATATCTTGATCCG	605
Db	61	GTAATAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGCACAAATATCTTGATCCG	120
Qy	606	TCCTTTTTTCAACATCGGATTCATGGTTTTTCAATTTTTCAACTCTCTTCATGATGGTGATC	665
Db	121	TCCTTTTTTCAACATCGGATTCATGGTTTTTCAATTTTTCAACTCTCTTCATGATGGTGATC	180
Qy	666	TTCTTGTGGGCTTAGTTTCAATGATTTTTAATGAGAACATTAAAGAAAGATTATGCTCGG	725
Db	181	TTCTTGTGGGCTTAGTTTCAATGATTTTTAATGAGAACATTAAAGAAAGATTATGCTCGG	240
Qy	726	TACAGTAAAGAGCAAGAAATGGATGATATCGATAGAGACCTAGGAGATGAATGATGCG	785
Db	241	TACAGTAAAGAGCAAGAAATGGATGATATCGATAGAGACCTAGGAGATGAATGATGCG	300
Qy	786	AAACAGGTGCATGGAGATGTATTTTAGACCATCAATCAAGTCACCCACTGATATTTTCTCTCTG	845



Db 765 GTCAATGGAAGCCAGCAAGTGGAGTTCAAGAATCGATTGCAAGAAGTACCTGGATCCC 706  
Qy 606 TCCTTTTTCACATCCGATTCATTTGGTTTCAATTTTCAACTCTCTCATGATGGTATC 665  
Db 705 AACTTCTTCCAGCAGGATCCACTGGTTTCAGCATCTTCAACAGCTTCATGATGTATC 646  
Qy 666 TTCTTGGTGGCTTATGTTTCAATGATTTTAAATGAGAACATTAAAGAAAAGATTATCTCGG 725  
Db 645 TTCTTGGTGGCTTATGTTTCAATGATTTTAAATGAGAACATTAAAGAAAAGATTATCTCGG 586  
Qy 726 TACAGTAAGAGAGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 785  
Db 585 TACAGTAAGAGAGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 526  
Qy 786 AAACAGGTGTCATGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 845  
Db 525 AAGCAGGTGTCATGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 466  
Qy 846 ATTGGTTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 905  
Db 465 GTGGCGCTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 406  
Qy 906 GAAGATTATATATACATGAGAGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCT 965  
Db 405 GGTGAATTGTACACGAAACGGCTCCATGCTGTCACGGCTATATTTGTGTATGCTGCTG 346  
Qy 966 AGCTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAGGAGGAGGAGA 1025  
Db 345 ACCTCACCACATCAATGGATGATGATGATGATGATGATGATGATGATGATGATGATG 286  
Qy 1026 TGGATAAGCAGATGTTTATTTGGGAGTATTTTGGGAGTATGCTATGCTGCTGCTGCTG 1085  
Db 286 TGGATAAGCAGATGTTTATTTGGGAGTATTTTGGGAGTATGCTATGCTGCTGCTGCTG 226  
Qy 1086 TTCTTCAATCAATTCATAGCCATTTATTTACCATGCTTCAAGAGCCATTCCTTTTGGAA 1145  
Db 225 TTCTTCAATCAATTCATAGCCATTTATTTACCATGCTTCAAGAGCCATTCCTTTTGG 166  
Qy 1146 ATGGTGGCGGTTTGTGATCTGTTTGTGATCTGTTTGTGATCTTCTTCAATCTTGTG 1205  
Db 165 ATGGTGGCGGTTTGTGATCTGTTTGTGATCTGTTTGTGATCTTCTTCAATCTTGTG 106  
Qy 1206 ATACTTGGCCGAAATCTGTCAAGTTCAGCCCAACTTTTCTTGTGCTGCTGCTGCTG 1265  
Db 105 GTCTGGGCGGCAATCTGGACGGCCAAACCGGACTTTTCCATGCGCGTCAACGCGGTG 46  
Qy 1266 CGTCTATACCGAGAGAAATGTTTCAATGAGCTGCGGTTATT 1310  
Db 45 CGACCCATTCCCGAAAGAGTGGTACATGAGCCACTGATTATT 1

RESULT 6  
US-09-270-767-15961/c  
; Sequence 15961, Application US/09270767  
; Patent No. 6703491  
; GENERAL INFORMATION:  
; APPLICANT: Homburger et al.  
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
; FILE REFERENCE: File Reference: 7326-094  
; CURRENT APPLICATION NUMBER: US/09/270,767  
; CURRENT FILING DATE: 1999-03-17  
; NUMBER OF SEQ ID NOS: 52517  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 15961  
; LENGTH: 771  
; TYPE: DNA  
; ORGANISM: Drosophila melanogaster  
US-09-270-767-15961  
Query Match 20.5%; Score 369.8; DB 3; Length 771;  
Best Local Similarity 67.7%; Pred. No. 8.2e-88;  
Matches 518; Conservative 0; Mismatches 247; Indels 0; Gaps 0;

Qy 546 GTAAATGCAAAAGTCAGATGTGAAATTTCAAGATCGATTGACAAATATCTTGATCG 605  
Db 765 GTCAATGGAAGCCAGCAAGTGGAGTTCAAGAATCGATTGCAAGAAGTACCTGGATCCC 706  
Qy 606 TCCTTTTTCACATCCGATTCATTTGGTTTCAATTTTCAACTCTCTCATGATGGTATC 665  
Db 705 AACTTCTTCCAGCAGGATCCACTGGTTTCAGCATCTTCAACAGCTTCATGATGTATC 646  
Qy 666 TTCTTGGTGGCTTATGTTTCAATGATTTTAAATGAGAACATTAAAGAAAAGATTATCTCGG 725  
Db 645 TTCTTGGTGGCTTATGTTTCAATGATTTTAAATGAGAACATTAAAGAAAAGATTATCTCGG 586  
Qy 726 TACAGTAAGAGAGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 785  
Db 585 TACAGTAAGAGAGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 526  
Qy 786 AAACAGGTGTCATGAGATGATGATGATGATGATGATGATGATGATGATGATGATG 845  
Db 525 AAGCAGGTGTCATGAGATGATGATGATGATGATGATGATGATGATGATGATGATG 466  
Qy 846 ATTGGTTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 905  
Db 465 GTGGCGCTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 406  
Qy 906 GAAGATTATATATACATGAGAGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCT 965  
Db 405 GGTGAATTGTACACGAAACGGCTCCATGCTGTCACGGCTATATTTGTGTATGCTGCTG 346  
Qy 966 ACCTCACCACATCAATGGATGATGATGATGATGATGATGATGATGATGATGATGATG 286  
Db 345 ACCTCACCACATCAATGGATGATGATGATGATGATGATGATGATGATGATGATGATG 226  
Qy 1086 TTCTTCAATCAATTCATAGCCATTTATTTACCATGCTTCAAGAGCCATTCCTTTTGGAA 1145  
Db 225 TTCTTCAATCAATTCATAGCCATTTATTTACCATGCTTCAAGAGCCATTCCTTTTGG 166  
Qy 1146 ATGGTGGCGGTTTGTGATCTGTTTGTGATCTGTTTGTGATCTTCTTCAATCTTGTG 1205  
Db 165 ATGGTGGCGGTTTGTGATCTGTTTGTGATCTGTTTGTGATCTTCTTCAATCTTGTG 106  
Qy 1206 ATACTTGGCCGAAATCTGTCAAGTTCAGCCCAACTTTTCTTGTGCTGCTGCTGCTG 1265  
Db 105 GTCTGGGCGGCAATCTGGACGGCCAAACCGGACTTTTCCATGCGCGTCAACGCGGTG 46  
Qy 1266 CGTCTATACCGAGAGAAATGTTTCAATGAGCTGCGGTTATT 1310  
Db 45 CGACCCATTCCCGAAAGAGTGGTACATGAGCCACTGATTATT 1

RESULT 7  
US-09-513-999C-3502  
; Sequence 3502, Application US/09513999C  
; Patent No. 6783961  
; GENERAL INFORMATION:  
; APPLICANT: Dumas Milne Edwards, J.B.  
; APPLICANT: Duclert, A.  
; APPLICANT: Giordano, J.Y.  
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.  
; Patent No. 6783961  
; FILE REFERENCE: 59.US2.REG  
; CURRENT APPLICATION NUMBER: US/09/513.999C  
; CURRENT FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/122,487  
; PRIOR FILING DATE: 1999-02-26  
; NUMBER OF SEQ ID NOS: 36681  
; SOFTWARE: Patent.pm  
; SEQ ID NO 3502  
; LENGTH: 433

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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 100..432
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 86
; OTHER INFORMATION: m=a or c
US-09-513-999C-3502

Query Match      20.3%; Score 364.8; DB 3; Length 433;
Best Local Similarity 98.9%; Pred. No. 1.3e-86;
Matches 366; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 60 CACAGTATCAAGATAAAGAGAGAGAGTGTCTTATGGATGAATACCTGTTGGGCCCTACCAT 119
DB 64 CAGCAGTATCAAGATAAAGAGAGAGTGTCTTATGGATGAATACCTGTTGGGCCCTACCAT 123
QY 120 AATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCCTGTGTGGGGTCAAAAAAAGT 179
DB 124 AATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCCTGTGTGGGGTCAAAAAAAGT 183
QY 180 ATCAGTCATTACCATGAACCTCTGGAGAGACCTTCAAGGGGTGAATTTGGAATTTAGT 239
DB 184 ATCAGTCATTACCATGAACCTCTGGAGAGACCTTCAAGGGGTGAATTTGGAATTTAGT 243
QY 240 GGTCGGATATTAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTTGATTTA 299
DB 244 GGTCGGATATTAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTTGATTTA 303
QY 300 GATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCAATTACTGGTACCAGATG 359
DB 304 GATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCAATTACTGGTACCAGATG 363
QY 360 TACATAGATGATTTACCAATATGGGTATTTGGTGAGGCTGATGAAATGGAGAGAT 419
DB 364 TACATAGATGATTTACCAATATGGGTATTTGGTGAGGCTGATGAAATGGAGAGAT 423
QY 420 TACTATCTTT 429
DB 424 TACTATCTTT 433

RESULT 8
US-09-270-767-28434
; Sequence 28434, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28434
; LENGTH: 571
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-28434

Query Match      12.8%; Score 230.8; DB 3; Length 571;
Best Local Similarity 72.7%; Pred. No. 4.7e-51;
Matches 298; Conservative 0; Mismatches 112; Indels 0; Gaps 0;

QY 1330 TACCTTTTGGTCAATCTTTATTGAAATGTATTTCATCTTTCACTGCTTTCTGGGCATATA 1389
DB 1 TGCCCTTTGGATCCATCTTTCATTGAGATGTACTTTCATCTTCACTCTCTTCTGGGCGTACA 60
QY 1390 AGATCTATTATGTCTATGGCTTCATGATGCTGTGCTGGTTATCTCTGTGCAATTTGACTG 1449
DB 61 AGATCTACTACGTCTACGGCTTCATGTTGCTGGTTTTTCAGCATCTCTGACTGTGCTCACCG 120
QY 1450 TCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAAT 1509
DB 121 TGTGCGTCAACATCGTGTGCACCTACTTCTCTGCTAAATGCCAGGATTACCGATGGCAGT 180
QY 1510 GGACAAAGTTTTCTCTCTGTGTCATCAACTGCAATCTATGTTTACATGTATTTCTTTTACT 1569
DB 181 GGACGAGTTTCATGGCTGCGGGCTCCACGTCGATTTACGTTGACGCTATTTCTTCTTATT 240
QY 1570 ACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAAACATCATTTTACTTTTGGATATA 1629
DB 241 ACTTCTTTTAAACCAAAATGTTCCGCTGTGTTCCAAACGGCTTCTACTTTTGGCTACA 300
QY 1630 TGGCGGTATTAGCACAGCCTTGGGGATAATGTGTGAGCGATTGGTTACATGGGAACAA 1689
DB 301 TGGCACTCTTCAGCGGGCTTGGGCATTTATCTGCGGCACCGTCGGCTATGTGGGCACGA 360
QY 1690 GTGCCCTTTGCCGAAAAATCTATCTAAATGTGAAATTTGACTAGAGACCC 1739
DB 361 ATCTCTTTGTGCGCAAAATCTATTCCAAATGTGAAATTAGACTAAGAGCCC 410

Query Match      12.8%; Score 230.8; DB 3; Length 571;
Best Local Similarity 72.7%; Pred. No. 4.7e-51;
Matches 298; Conservative 0; Mismatches 112; Indels 0; Gaps 0;

QY 1330 TACCTTTTGGTCAATCTTTATTGAAATGTATTTCATCTTTCACTGCTTTCTGGGCATATA 1389
DB 1 TGCCCTTTGGATCCATCTTTCATTGAGATGTACTTTCATCTTCACTCTCTTCTGGGCGTACA 60
QY 1390 AGATCTATTATGTCTATGGCTTCATGATGCTGTGCTGGTTATCTCTGTGCAATTTGACTG 1449
DB 61 AGATCTACTACGTCTACGGCTTCATGTTGCTGGTTTTTCAGCATCTCTGACTGTGCTCACCG 120
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QY 1450 TCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAAT 1509
DB 121 TGTGCGTCAACATCGTGTGCACCTACTTCTGCTAAATGCCAGGATTACCGATGGCAGT 180
QY 1510 GGACAAAGTTTTCTCTCTGTGTCATCAACTGCAATCTATGTTTACATGTATTTCTTTTACT 1569
DB 181 GGACGAGTTTTCATGGCTGCGGGCTCCACGTCGATTTACGTTGACGCTATTTCTTCTTATT 240
QY 1570 ACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAAACATCATTTTACTTTTGGATATA 1629
DB 241 ACTTCTTTTAAACCAAAATGTTCCGCTGTGTTCCAAACGGCTTCTACTTTTGGCTACA 300
QY 1630 TGGCGGTATTAGCACAGCCTTGGGGATAATGTGTGAGCGATTGGTTACATGGGAACAA 1689
DB 301 TGGCACTCTTCAGCGGGCTTGGGCATTTATCTGCGGCACCGTCGGCTATGTGGGCACGA 360
QY 1690 GTGCCCTTTGCCGAAAAATCTATCTAAATGTGAAATTTGACTAGAGACCC 1739
DB 361 ATCTCTTTGTGCGCAAAATCTATTCCAAATGTGAAATTAGACTAAGAGCCC 410

RESULT 9
US-09-270-767-12633
; Sequence 12633, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12633
; LENGTH: 1151
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-12633

Query Match      12.8%; Score 230.8; DB 3; Length 1151;
Best Local Similarity 72.7%; Pred. No. 6.3e-51;
Matches 298; Conservative 0; Mismatches 112; Indels 0; Gaps 0;

QY 1330 TACCTTTTGGTCAATCTTTATTGAAATGTATTTCATCTTTCACTGCTTTCTGGGCATATA 1389
DB 1 TGCCCTTTGGATCCATCTTTCATTGAGATGTACTTTCATCTTCACTCTCTTCTGGGCGTACA 60
QY 1390 AGATCTATTATGTCTATGGCTTCATGATGCTGTGCTGGTTATCTCTGTGCAATTTGACTG 1449
DB 61 AGATCTACTACGTCTACGGCTTCATGTTGCTGGTTTTTCAGCATCTCTGACTGTGCTCACCG 120
QY 1450 TCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAAT 1509
DB 121 TGTGCGTCAACATCGTGTGCACCTACTTCTCTGCTAAATGCCAGGATTACCGATGGCAGT 180
QY 1510 GGACAAAGTTTTCTCTCTGTGTCATCAACTGCAATCTATGTTTACATGTATTTCTTTTACT 1569
DB 181 GGACGAGTTTTCATGGCTGCGGGCTCCACGTCGATTTACGTTGACGCTATTTCTTCTTATT 240
QY 1570 ACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAAACATCATTTTACTTTTGGATATA 1629
DB 241 ACTTCTTTTAAACCAAAATGTTCCGCTGTGTTCCAAACGGCTTCTACTTTTGGCTACA 300
QY 1630 TGGCGGTATTAGCACAGCCTTGGGGATAATGTGTGAGCGATTGGTTACATGGGAACAA 1689
DB 301 TGGCACTCTTCAGCGGGCTTGGGCATTTATCTGCGGCACCGTCGGCTATGTGGGCACGA 360
QY 1690 GTGCCCTTTGCCGAAAAATCTATCTAAATGTGAAATTTGACTAGAGACCC 1739
DB 361 ATCTCTTTGTGCGCAAAATCTATTCCAAATGTGAAATTAGACTAAGAGCCC 410
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RESULT 10					
US-09-949-016-3623					
; Sequence 3623, Application US/09949016					
; Patent No. 6812339					
; GENERAL INFORMATION:					
; APPLICANT: VENTER, J. Craig et al.					
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF					
; FILE REFERENCE: CL001307					
; CURRENT APPLICATION NUMBER: US/09/949,016					
; CURRENT FILING DATE: 2000-04-14					
; PRIOR APPLICATION NUMBER: 60/241,755					
; PRIOR FILING DATE: 2000-10-20					
; PRIOR APPLICATION NUMBER: 60/237,768					
; PRIOR FILING DATE: 2000-10-03					
; PRIOR APPLICATION NUMBER: 60/231,498					
; PRIOR FILING DATE: 2000-09-08					
; NUMBER OF SEQ ID NOS: 207012					
; SOFTWARE: FastSeq for Windows Version 4.0					
; SEQ ID NO 3623					
; LENGTH: 2391					
; TYPE: DNA					
; ORGANISM: Human					
US-09-949-016-3623					
Query Match 12.6%; Score 227.6; DB 3; Length 2391;					
Best Local Similarity 51.9%; Pred. No. 6.1e-50;					
Matches 596; Conservative 0; Mismatches 534; Indels 18; Gaps 3;					
Qy	592	AATACTTCGATCGGTCTTTTCAACATCGGAATCATGGTTTCAATTTCAATTTCAACTCCT	651		
Dd	996	ACTAATTCTGGAGTCTATGCCTCATACCACATTCAGTGGTTTTAGCATTAAGAATCCC	1055		
Qy	652	TCAATGATGTGATCTCTTGTTGGCTTAGTTTCAATGATTTAAATGAGAACATTAAGAA	711		
Dd	1056	TGTCATTTCT	1115		
Qy	712	AAGATATTCCTCGGTACAGTAAGAGGAGAAATGGATGATGATGATGATGATGATGATGAT	771		
Dd	1116	AAGATATTCCTAGATATAATCAGATGGACTCTACGGAAGATGCCAG-----G	1163		
Qy	772	ATGAATATGGATGGAACAGGTGCGATGAGATGATATTTAGACCATCAAGTCACCCACTGA	831		
Dd	1164	AAGAATTTGGCTGGAACTTGTTCATGGTGATATATCCGTCCTCCAGAAAAGGGATGC	1223		
Qy	832	TATTTTCTCTCTGATGGTCTCTGATGTCAGATATTTGCTGTCCTCATCGTTATTA	891		
Dd	1224	TGCTATCAGTCTTTAGATATCCGGACACAGATTTTAATGACCTTTGTGACTCTAT	1283		
Qy	892	TTGTTGCAATGATAGAAGATTTATATCTAGAGGGGATCAATGCTCAGTAC---AGCCA	948		
Dd	1284	TTTTGCTTTGCTGGGATTTTGTACCTGCCAACGAGGAGCGCTGATGAGTGTCTG	1343		
Qy	949	TATTTGCTATGCTGATGCTCAGTCTCAGTGAATGGTATTTTGGAGGAAGTCTGATGCTA	1008		
Dd	1344	TGCTCTGTGGTGTCTGTGGCACCCCTCGAGGCTATGTTGCTGCCAGATTTCTATAAGT	1403		
Qy	1009	GACAAGGAGGAGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT	1068		
Dd	1404	CCTTTGAGGATGAGAAGTGGAAAAAATAATGTTTAAATCAATCATTTCTTTGCTCGGA	1463		
Qy	1069	TGCTGTGTGGCATGCTCTTTCTCATCAATTTTATGACCATTTATTTACCATGCTTCAAGAG	1128		
Dd	1464	TTGATTTGCTGACTCTTTTAAATGAATCTGATCCTCTGGGGAGAGGATCTTCAGCAG	1523		
Qy	1129	CAATTCCTTTTGGAAACAATGGTGGCGGTGTTGTTGATCTGTTTGTGTTTATCTTCTC	1188		
Dd	1524	CTATTCCTTTTGGACACTGGTTGCCATATATGGCCCTTTGGTTCTGCAATATCTGTGCTC	1583		
Qy	1189	TAAATCTTGTGGTCAATATCTTGGCCGAAATCTGTGAGTTCAGGCCCACTTTCTTGTG	1248		
Dd	1584	TGACGTTTATGGTGATCTACTTTGTTTAAAGAAATGCOATTTGAACAC---CCAGTTC	1640		

1249	GTGTCAATGCTGTGCTCTCTATACCGGAGAAAAATATGTTTCAATGAGAGCTGGGTGTTA	1330
Dd	1641	GAACCAATCAGATTCACGTCAGATTCCTGAAACAGTCGTTCTACAGAAAGCCCTTGCCTG
Qy	1309	TTGTTTGGCTGGGTGGAATTTTACCTTTTGGTTCATCTTTTATTTCAAATGTTATTTCACT
Dd	1701	GTATTAATCAATGGAGGAGATTTTGCCCTTTTGGCTGCAATCTTTATACAACCTTTTCTTCATTC
Qy	1369	TCACGCTCTTTCTGGGCATATAAGATCTATATGTCTATGGCTTCATGATGCTGGTGGCTGG
Dd	1761	TGAATAGTATTTGGTCACACAGATGATTAACATGTTTGGCTTCTCTATTTCTGGTGTGTTA
Qy	1429	TTATCTGTGCAATTTGACTGTCTGTGACATTAATTTGTGTGACATATTTTCTTACTAAATG
Dd	1821	TCATTTTGGTTATTTACCTGTTCTGAAGCAACTATATCTTTTGTCTATTTTCCACCTATGTC
Qy	1489	CAGAATTTACCGGTGGCAATGACAAAGTTTTTCTCTGCTGCATCAACTGCAATCTATG
Dd	1881	CAGAGATTTATCATTTGGCAATGGCGTTCAITTCCTTACAGTGGCTTTTACGAGTTTAT
Qy	1549	TTTACATGTTATTTCTTTTACTACTATTTTTCACAAACAAAGATGATGGCTTATTTTCAAA
Dd	1941	TCCTAATCTATGCAGTACACTACTTCTTTTCAAAACTGCAGATCACGGGAACAGCAAGA
Qy	1609	CATCAATTTACTTTGGATATATGCGCGTATTTTAGCACAGCCTTTGGGGATTAATGTGTGGAG
Dd	2001	CAATTCGTACTTTGGTTATACCATGATAAAGTTTGTGATCTCTTTCTTTTACAGGAA
Qy	1669	CGATTTGTTTACATGGGACAGTGGCTTTGTCCGAAAAATCTATATACTAATGTGAAAAATG
Dd	2061	CAATTTGGCTTCTTTGCATGCTTTTGGTTTGTGTACAAAAATATACAGTGTGGTGAAGTTG
Qy	1729	ACTAGA 1736
Dd	2121	ACTGAAGA 2128

RESULT 11  
US-08-959-004-6  
; Sequence 6, Application US/08959004  
; Patent No. 6197543  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Yue, Henry  
; APPLICANT: Corley, Neil C.  
; APPLICANT: Lal, Preeti  
; APPLICANT: Shah, Purvi  
; APPLICANT: Kaser, Matthew  
; TITLE OF INVENTION: HUMAN VESICLE MEMBRANE PROTEIN-LIKE  
; TITLE OF INVENTION: PROTEINS  
; NUMBER OF SEQUENCES: 11  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/959,004  
; FILING DATE: Herewith  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749

REFERENCE/DOCKET NUMBER: PF-0414 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-855-0555  
TELEFAX: 650-845-4166  
TELEX:  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2805 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: ADREUT06  
CLONE: 2822412  
US-08-959-004-6

Query Match 12.6%; Score 227.6; DB 3; Length 2805;

Best Local Similarity 51.9%; Pred. No. 6.5e-50;

Matches 596; Conservative 0; Mismatches 534; Indels 18; Gaps 3;

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Qy 592 AATATCTTGATCCGTCCTTTTCAACATCGGATTCATTTGTTTCAATTTTCAACTCCT 651
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1044 ACTATATCTGGAGTCTATGCCTCATACCCACATTCAGTGGTTTGTAGCAATTAAGAA 1103
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 652 TCATGATGGTATCTTCTTGTGGGCTTAGTTTCAATGATTTTAAATGAGAACATTAAGAA 711
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1104 TGGTCATTTGTTCTTCTTATCTGGAATGGTAGCTATGATTTATGTTACGGACACTGCACA 1163
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 712 AAGATTAATGCTCGGTACAGTAAAGGAAGAAATGGATGATATGATAGACCTAGGAG 771
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1164 AAGATATGCTAGATATATCAGATGACTCTCGGAAGATGCCAG-----G 1211
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 772 ATGAATATGGATGAAACAGGTGATGGAGATGATTTAGACCAATCAAGTCACCCACTGA 831
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1212 AAGAAATTTGGCTGGAACCTTGTTTCATGGTGATATTTCCGTCCTCCAAAGAAAGGGATGC 1271
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 832 TATTTTCTCTGATTTGGTTCTGGATGTCAGATATTTGCTGTGCTCTCATCGTTATTA 891
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1272 TGCATCAGTCTTCTTAGGATCCGGGACACAGATTTTAAATATGACCTTTGTGACTCTAT 1331
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 892 TTGTTGCAATGATAGAAGATTTATATATAGAGGGGATCAATGCTCAGTAC---AGCCA 948
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1332 TTTTCGCTTGCCTGGGATTTTGTACCTGCCACCGAGAGCGCTGATGACGTGCTG 1391
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 949 TATTTGCTATGCTGCTACGCTCCAGTGAATGTTATTTGGAGGAAGTCTGTATGCTA 1008
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1392 TGGTCTGTGGTCTGCTGGGACCCCTGCGAGCTATGTTGCTGCCAGATTTCTATAAGT 1451
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1009 GACAAGGAGNAGAGATGGAATAAGCAGATGTTTATTTGGGGCATTCCTTATCCAGCTA 1068
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1452 CCTTGGAGGTGAGAAGTGGAAACAAATGTTTATTAACATCATCTTTTGTCTGGGA 1511
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1069 TGGTGTGGGCACTGCTCTTTCATCAATTTTCATAGCCATTTATACCATGCTTCAAGAG 1128
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1512 TTGTATTTGTGACTCTTTATATATGATCTGATCTCTCGGGAGAAGATCTTCAGCAG 1571
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1129 CCATTCCTTTTGGAAACAATGCTGCGCCGTTTGTGTCATCTGTTTTTGTATTTCTTCC 1188
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1572 CTATTCCTTTTGGGACACTGGTTGCCATATTTGGCCCTTTTGTCTGTCATATCTGTGCTC 1631
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1189 TAAATCTTTGTGTACAACTATGCGCGAAATCTGTGAGGTGAGCCCACTTTCTTGTGTC 1248
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1632 TGACGTTTATTTGGTGCATCTTTTGGTTTTTAAAGAGAATGCCATTTGAACAC---CGATTC 1688
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1249 GTGTCATGCTGCTGCTCGTCTTATACCGGAGAAAAATGGTTTCATGAGCCCTGCGGTTA 1308
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1689 GAACCAATCAGATTCACGTCAGATTCCTGACAGTCGTTCTACACGAAGCCCTTGCCTG 1748
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1309 TTGTTTCCCTGGGTGGAATTTTACCTTTTGGTTCATCTTTTATTTGAAATGATTTTCACT 1368
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1749 GTATTATCATGGGAGGATTTTGGCCCTTGGCTGCATCTTTATACAACTTTTCTTCAATC 1808
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1369 TCAGTCTTTCTGGGCATATAAGATCTATTATGCTATGCTTCATGATGCTGCTGCTG 1428
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
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Db 1809 TGAATAGTATTTGGTCCACACAGATGATTTACATGTTTGGCTTCTCTATTTCTGGTGTTA 1868
Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1429 TTATCTGTGTCATTTGTGACTGTCTGTGTGACTATTGTGTGCACACATATTTCTACTAAATG 1488
Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1869 TCAATTTGGTTATTTACCTGTTCTGAAGCAACTATCTTCTTGTCTATTTCCACCTATGTG 1928
Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1489 CAGAAGATTACCGGTGGCAATGGACAAGTTTCTCTCTGCTGTCATCAACTGCAATCTATG 1548
Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1929 CAGAGGATTATCATTTGGCAATGGCTTCATTTCTTACGAGTGGCTTTACTGCACTTTATT 1988
Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1549 TTTACATGATTTCCCTTTTACTACTATTTTTCAAAACAAGATGATGGCTTATTTCAAA 1608
Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1989 TCTTAATCTATGCAGTACACTACTTCTTTTCAAAACTGCAGATCACGGGAACAGCAAGCA 2048
Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1609 CATCATTTTACTTTGGATATATGGCGTATTTAGCACAGCCTTTGGGGATAATGTTGTCGAG 1668
Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2049 CAATTCGTACTTTGGTTATACCATGATATGTTTGTGATCTTCTTCTTTTACAGGAA 2108
Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1669 CGATTTGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACCTAAATGTGAAAAATG 1728
Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2109 CAATTTGGCTTCTTGTGATGCTTTTGGTTTGTGTACCAAAATATACAGTGTGGTGAAGCTG 2168
Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1729 ACTAGAGA 1736
Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2169 ACTGAAGA 2176
Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
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RESULT 12  
US-10-104-047-1699  
; Sequence 1699, Application US/10104047  
; Patent No. 6943241  
; GENERAL INFORMATION:  
; APPLICANT: HELIX RESEARCH INSTITUTE  
; TITLE OF INVENTION: No. 6943241el full length cDNA  
; FILE REFERENCE: HL-A0105  
; CURRENT APPLICATION NUMBER: US/10/104,047  
; PRIOR FILING DATE: 2002-03-25  
; PRIOR FILING DATE:  
; NUMBER OF SEQ ID NOS: 4096  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1699  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-104-047-1699

Query Match 12.6%; Score 226; DB 3; Length 1878;

Best Local Similarity 51.8%; Pred. No. 1.5e-49;

Matches 595; Conservative 0; Mismatches 535; Indels 18; Gaps 3;

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Qy 592 AATATCTTGATCCGTCCTTTTTCACATCGGATTCATTTGGTTTTCATTTTCAACTCCT 651
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 693 ACTATATCTGAGTCTATGCCCTCATACCCACATTCAGTGGTTTAGCAATTAAGAA 752
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 652 TCATGATGGTGTATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAAATGAGAACATTAAGAA 711
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 753 TGGTCATTTGTTCTTCTTCTTATCTGGAATGCTAGCTATGATTTATGTTACGGACACTGCACA 812
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 712 AAGATATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAG 771
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 813 AAGATATGCTAGATATAATCAGATGGACTCTACGGAAGATGCCAG-----G 860
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 772 ATCAATATGATGAGAAACAGGTGCTAGGAGATGATTTAGACCATCAAGTCACCCACTGA 831
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 861 AAGATTTGGCTGGAACCTTGTTCATGTTGATATTTCCGTCCTCCAAAGAAAGGATGC 920
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 832 TATTTTCTCTCTGATTTGGTTCTGGATGTCAGATATTTGCTGTCTCTCATGTTATTA 891
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 921 TGCTATCAGTCTTTCTAGGATCCGGGACACAGATTTTAAATATGACCTTTGTGACTCTAT 980
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 892 TTGTTGCAATGATAGAAGATTTATATGCTATGAGAGGGGATCAATGCTCAGTAC---AGCCA 948
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
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Db 981 TTTTCGCTGCTGGGATTTTGTACCTGCCAACCGAGGAGCGCTGATGCTGTGCTG 1040  
Qy 949 TATTGTCTATGCTGCTAGCTCTCAGTGAATGTTATTTTGGAGAGTCTGTATGCTA 1008  
Db 1041 TGGTCTCTGGGTGCTGCTGGGACCCCTGAGGCTATGTTGCTGCCAGATTCATAGT 1100  
Qy 1009 GACAAGGAGGAGGAGATGAGTAAGACAGATGTTTATTGGGCACTTCCTTATCCAGCTA 1068  
Db 1101 CCTTTGGAGGTGAGAGTGGAAACAATGTTTATTAAACATATTTCTTTGTCTGGGA 1160  
Qy 1069 TGGTGTGGCACTGCCCTTCTTCAATTTATAGCCATTTATTTACCATGCTTCAAGAG 1128  
Db 1161 TTGTATTGCTGACTTCTTTATATGAATCTGATCCTCTGGGAGAGGATCTTCAGCAG 1220  
Qy 1129 CCATTCCTTTGGACATGTTGGCCGCTTGTGTGATCTGTTTTTGTATTCTTCTC 1188  
Db 1221 CTATTCCTTTTGGGACACTGGTGTGCCATTTATGGCCCTTTGGTCTGCAATCTGTGCTC 1280  
Qy 1189 TAAATCTTTGTTGACATACTTGGCCGAAATCTGTGAGGTGAGCCCAATTTCTCTGTC 1248  
Db 1281 TGACGTTTATTGTTGCATACCTTTGGTTTAAAGAAGATGCCATTTGAACAC---CCAGTTC 1337  
Qy 1249 GTGCAATGCTGTGCTCGTCTTAPACGGGAGAAAAATGTTTATGAGAGCCTCGGTTA 1308  
Db 1338 GAAACCAATCAGATTCACGCTCAGATTCCTGAACAGTCTGTTCTACAGAGGCCCTTGCCTG 1397  
Qy 1309 TTGTTGCTCGGTGGATTTTACCTTTTGGTTTCAATCTTTTATTTGAATGATTTTCATCT 1368  
Db 1398 GTATTATCATGGGAGGGAATTTGGCCCTTTGGCTGCACTTTTATACAACTTTCTTCAATC 1457  
Qy 1369 TCAGCTCTTTCTGGGCATATAAGATCTATTATGCTATGCTTCAATGCTGCTGTGCTG 1428  
Db 1458 TGAATGATTTTGGTCACACAGATGATTTACATGTTTGGCTTCTTATTTCTGGTGTTA 1517  
Qy 1429 TTAATCTGTGATGTGACTGCTGTGTGACTATTTGTGTGACATATTTTCTACTAAATG 1488  
Db 1518 TCAATTTGGTTATTACCTGTTCTGAAGCAACTATATCTTCTTTGCTATTTTCCACCTATGTG 1577  
Qy 1489 CAGAAGATTACGGTGGCAATGGACAGTGTCTCTGCTGCTCACTCACTGCAATCTATG 1548  
Db 1578 CAGAGGATTATCAITGGCAATGGCGTTCATTTCTTACGAGTGGCTTTTACTGCACTTAT 1637  
Qy 1549 TTTACATGATTTCTTTTACTACTATTTTCAAAAACAAAGATGTATGGCTTTATTTCAA 1608  
Db 1638 TCTTAATCTATGCACTACACTTCTTTTCAAACTGCAGATCAGGGAACAGAACGG 1697  
Qy 1609 CATCATTTTACTTTGGATATATGGCGTATTAGCACAGCCCTTGGGGATAATGTGTGGAG 1668  
Db 1698 CAATTCGTACTTTGGTTATACCATGATAATGGTTTGTGATCTTCTTCTTTTACAGGAA 1757  
Qy 1669 CGATTTGATACATGGGAACAGTGCCTTTGTCGGAATACTTACTAATGTGAAATTTG 1728  
Db 1758 CAATTTGGCTTCTTTGTATGCTTTTGGTTGTATACCAAAATATACAGTGTGGTGAAGTTG 1817  
Qy 1729 ACTAGAGA 1736  
Db 1818 ACTGAGA 1825

## RESULT 13

US-09-270-767-14715  
; Sequence 14715, Application US/09270767  
; Patent No. 6703491  
; GENERAL INFORMATION:  
; APPLICANT: Homburger et al.  
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
; FILE REFERENCE: File Reference: 7326-094  
; CURRENT APPLICATION NUMBER: US/09/270,767  
; CURRENT FILING DATE: 1999-03-17  
; NUMBER OF SEQ ID NOS: 62517  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 14715

; LENGTH: 995  
; TYPE: DNA  
; ORGANISM: Drosophila melanogaster  
US-09-270-767-14715

Query Match 9.0%; Score 161.2; DB 3; Length 995;  
Best Local Similarity 59.3%; Pred. No. 1.6e-32;  
Matches 274; Conservative 0; Mismatches 188; Indels 0; Gaps 0;

Qy 31 TGCCCCGAGCCCGGGCGAGCAGCAACACACAGTATCAAGATAAAGAGAAAGTTGTCT 90  
Db 532 TGTCACTCTCCAGCGAGATGAGCAATCAAGTACAAATGACCGGAGGAGGTGTAC 591  
Qy 91 TATGATGAATACATGTTGGGCCCTTACCATAATCTCAAGAAACATATAAGTACTTTTCCAC 150  
Db 592 TGTGATGAACACAGTGGGCCCTTACCATAATCGGAGGAGACGTACCGTACTTCTCTC 651  
Qy 151 TTCCATTTCTGTGGGGTCAAAAAAAGTATCACTCATTTACCATGAACTCTGGGAGAG 210  
Db 652 TCCCTTTTGCAGTGGCCAAAAGTCTCGATATCCCACTACCAAGAGCGCTGAGCGAGG 711  
Qy 211 CACTTCAAGGGTTGAATTTAGTAATTTAGTGTCTGGATATTAATTTAAAGATGATGTA 270  
Db 712 CGCTGCAAGGAGTCCAGCTGGAGTTCAGTGGCTACGAGATGGAGTTCAAGAGCGACGCC 771  
Qy 271 TGCCAGCCACTTACTGTGAAATTCATTTAGATAAAGAAAGAGAGATGCATTTGTATATG 330  
Db 772 CCAATTCGGTCATCTGATGTCACCTTGCAGGAGGAGCGCCNAGGCATTCACCTATG 831  
Qy 331 CCATAAAAAATCAATTACTGTGACAGATGTACATAGATGATTTTACCAATATGGGGTATG 390  
Db 832 CCGTGAAGAACGAGTACTGTGTACCAATGTACATCGATGGACTGCCCATTTTGGGAAAAAG 891  
Qy 391 TTGTTGAGGCTGATGAAAATGGGAGAGATTTACTATCTTTGGACCTATATAAAACTTGAAA 450  
Db 892 TCGGTGAGCGCGACGAGCGGATGGCAAGTACTATATCTTCCAGCACAAAGATTCGACA 951  
Qy 451 TAGTGTTTTAAATGGAATTCGAATTCGTGATGTTAATCTAACTA 492  
Db 952 TCGCTAATGGCCAGCAAAATCGTGGATATCACCCCTGACCA 993

## RESULT 14

US-09-248-796A-6208  
; Sequence 6208, Application US/09248796A  
; Patent No. 6747137  
; GENERAL INFORMATION:  
; APPLICANT: Keith Weinstein et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN  
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.132  
; CURRENT APPLICATION NUMBER: US/09/248,796A  
; CURRENT FILING DATE: 1999-02-12  
; PRIOR APPLICATION NUMBER: US 60/074,725  
; PRIOR FILING DATE: 1998-02-13  
; PRIOR APPLICATION NUMBER: US 60/096,409  
; PRIOR FILING DATE: 1998-08-13  
; NUMBER OF SEQ ID NOS: 28208  
; SEQ ID NO 6208  
; LENGTH: 726  
; TYPE: DNA  
; ORGANISM: Candida albicans  
US-09-248-796A-6208

Query Match 7.4%; Score 132.8; DB 3; Length 726;  
Best Local Similarity 51.0%; Pred. No. 4.6e-25;  
Matches 367; Conservative 0; Mismatches 347; Indels 6; Gaps 2;  
Qy 1014 GGAGGAGGAGATGATTAAGCAGATCTTTATTTGGGCATTCCTTATCCAGCATGTG 1073  
Db 13 GGTGTGACAAATTTGAAATGATGTTTGTGACACAGTTTTAGTACCAGGATTTTG 72  
Qy 1074 TGTGGCACTGCCTTCTTTCATCAATTTTCATGCCCATTTATTACCATGCTTCAAGAGCCATT 1133

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Db      73  TCTCTGGTTTCGTTGGTGAATTTCTTTTAATTTTCAGTACAATCTTCGTGGCTATT 132
Qy      1134 CTTTTGGAAACAATGGTGGCGGTTTGTGCACTGTTTTTTTGTATTTCTTCCTCTAAAT 1193
Db      133  CATATGGGGACAATGTTTGCATTTGCTTAATTTGGTTTCATTATATCGAATTCCAATTAAGT 192
Qy      1194 CTTCTGGTACAATACTTGGCGGAAATCTGTCAAGTCAAGCCCACTTTCCTTGTGCGTGC 1253
Db      193  GTTAATGGATCAATTTTGTAGCTAGTAATAGACCATTAATTATC--GGTACCAGTGAGAACT 249
Qy      1254 AATGCTGTGCTCGTCTCTATACCGGAGAAAATGGTTTCATGGAGCCTGCGGTTATTGTT 1313
Db      250  AATCAAAATTCAGACAAAATTCCTACTCAACCATGGTATTTAAGTACTATCCCGGTAATG 309
Qy      1314 TGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTTGAATGTATTTTCATCTTCACG 1373
Db      310  TTTATTTTCGGGAATTTTCCCATTTGGATCAATTCCTGTGGAATGTATTTTATTTATTCA 369
Qy      1374 TCTTTCTGGGCATATAGATCTATTATGCTATGGCTTCATGCTGCTGGTGGTGTATC 1433
Db      370  TCAATTTGGTTTAATAAGATTTTATATGTTGGATTTTATTTTCTGTTTCATATTA 429
Qy      1434 CTGTGCATTTGTGACTGTCTGTGCACTATTGTGTCACATATTTTCTACTAAATGCAGAA 1493
Db      430  ATGATTTTAAGTACTAGTATTAAATTAATTAATTAATTAATTAATTAATTAATTAATTA 489
Qy      1494 GATTACCGGTGGCAATGGACAAGTTTCTCTGCTGCATCAACTGCAATCTATGTTTAC 1553
Db      490  AATTTATAAATGGCAATGGAATCATTTATTTGTTGGAGAGGTTGTGCAATTTATGTTATT 549
Qy      1554 ATGATTTCTTTTACTACTATTTTTCAAAACAAGATGTATGGCTTATTTTCAAAATCA 1613
Db      550  ATTCATTCATTTTCTTTTGGCTGGTGA--AAAATTTGGTGGATTTAGTTCAATTAGTT 606
Qy      1614 TTTTACTTTGGATATATGGCGGTATTATGACACAGCCTTTGGGATAATGTGTGGAGCGATT 1673
Db      607  TTATACAGTGGTATTACAGCTGATTTTCATTATTAGTTTCTTTTGGTGGATCAATT 666
Qy      1674 GGTTCATGGGAACAAGTGCTTTGTCGAAAAATCTATATAATGTGAAAAATTGACTAG 1733
Db      667  GGATTTATTAGTAGTTTAAATATTGTGAGATTAATTTATGTCAAATTTAAATTTGATTAG 726

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RESULT 15

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US-09-313-294A-2292
; Sequence 2292, Application US/09313294A
; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Lalgudi, Raghunath V.
; APPLICANT: Ito, Laura Y.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313,294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 2292
; LENGTH: 262
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6476212 700552439H1
US-09-313-294A-2292

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Query Match      5.6%; Score 101; DB 3; Length 262;
Best Local Similarity 68.4%; Pred.No. 7.9e-17;
Matches 154; Conservative 0; Mismatches 70; Indels 1; Gaps 1;
Qy      1450 TCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGAGAAGATTACCGGTGGCAAT 1509
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Db      39  TCTGGCTCACTATTGTGGGTACTTATTCTTGTCTGAACGCCGAGAACTACCAATTTGGCAAT 98
Qy      1510 GGACAAAGTTTTTCTCTCTGTGTCATCAACTGCAATCTATGTTTACATGTATTTCTTTTACT 1569
Db      99  GGAGCTCGTTTTTCTTCTGTGACGCGTCAACCGCTCTGTACGTGTATCTGTACTCCATCTACT 158
Qy      1570 ACTATTTTTTCAAAACAAGATGTATGGCTTATTTCAAAACATCATTTTACTTTTGGATATA 1629
Db      159  ACTACCATGTGAAGACAAAGATGTCAAGCTTCTTCCAGACAAAGTTTCTATTTTCGGCTACA 218
Qy      1630 TGGCGGTATTTTAGCACAGCCTTGGGGATATATGTGTGGAGCGATTG 1674
Db      219  CGCTGATGTTTCTGC-CTGGCCTAGGCATACCTTTGTGGAGCTATTG 262

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Search completed: December 13, 2005, 14:52:04  
Job time : 338.937 secs

Result No.	Query			DB		ID	Description
	Score	Match	Length				
1	1800	100.0	1827	8	US-10-755-466-3	Sequence 3, App1	
2	1800	100.0	2072	8	US-10-755-466-1	Sequence 1, App1	
3	1800	100.0	3508	3	US-09-814-353-21837	Sequence 21837, App1	
4	1800	100.0	4024	5	US-10-198-846-10005	Sequence 10005, App1	
5	1794.4	99.7	3370	3	US-09-374-046A-25	Sequence 25, App1	
6	1794.4	99.7	3370	7	US-10-616-263-25	Sequence 25, App1	
7	1753	97.4	3076	3	US-09-915-582-29	Sequence 29, App1	
8	1753	97.4	3076	6	US-10-277-802-29	Sequence 29, App1	
9	1753	97.4	3076	8	US-10-896-972-29	Sequence 29, App1	
10	1709	94.9	3389	6	US-10-205-219-122	Sequence 122, App1	
11	1709	94.9	3389	9	US-10-956-157-2297	Sequence 2297, App1	
12	1709	94.9	3389	9	US-10-287-436A-335	Sequence 335, App1	
13	1011.6	56.2	6197	6	US-10-062-674-1697	Sequence 1697, App1	
14	716.4	39.8	1070	6	US-10-264-237-1414	Sequence 1414, App1	
15	646	35.9	1863	10	US-11-097-143-22277	Sequence 22277, App1	
16	619.6	34.4	1867	3	US-09-915-582-13	Sequence 13, App1	
17	619.6	34.4	1867	6	US-10-277-802-13	Sequence 13, App1	
18	619.6	34.4	1867	8	US-10-896-972-13	Sequence 13, App1	
19	583.6	32.4	2461	8	US-10-425-115-140808	Sequence 140808, App1	
20	581	32.3	2355	8	US-10-739-930-4365	Sequence 4365, App1	
21	570	31.7	2406	7	US-10-437-963-14430	Sequence 14430, App1	
22	568.8	31.6	1899	7	US-10-437-963-39405	Sequence 39405, App1	
23	567.8	31.5	2698	8	US-10-425-115-140919	Sequence 140919, App1	



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QY 241 GTCTGATATTAATTTAAAGATGATGATGCCAGCCTTACTGTGAAATTTGATTTAG 300
Db 305 GTCTGATATTAATTTAAAGATGATGATGCCAGCCTTACTGTGAAATTTGATTTAG 364
QY 301 ATAAAGAAAGAGAGATGATTTGTATATGCCATAAAAAATCAATTAATCCAGATGT 360
Db 365 ATAAAGAAAGAGAGATGATTTGTATATGCCATAAAAAATCAATTAATCCAGATGT 424
QY 361 ACATAGATGATTTACCAATATGGGTATTTGTTGGTGGCTGATGAAATGGAAGATT 420
Db 425 ACATAGATGATTTACCAATATGGGTATTTGTTGGTGGCTGATGAAATGGAAGATT 484
QY 421 ACTATCTTTGGACCTATAAAAACTTGAATAGTTTTAATGGAATCGAAATGTTGATG 480
Db 485 ACTATCTTTGGACCTATAAAAACTTGAATAGTTTTAATGGAATCGAAATGTTGATG 544
QY 481 TTAATCTAATAGTGAAGAAAGGTGAAACTGGTTCCTCAATATCTAAATCCAGATGT 540
Db 545 TTAATCTAATAGTGAAGAAAGGTGAAACTGGTTCCTCAATATCTAAATCCAGATGT 604
QY 541 ATTCAGTAAATGGAAGAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTG 600
Db 605 ATTCAGTAAATGGAAGAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTG 664
QY 601 ATCCGTCTCTTTTCAACATCGGATTCATTTGGTGGTTTTCAATTTTCAACTCTCTTCATGATGG 660
Db 665 ATCCGTCTCTTTTCAACATCGGATTCATTTGGTGGTTTTCAATTTTCAACTCTCTTCATGATGG 724
QY 661 TGATCTTCTGTGGCTGATTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATG 720
Db 725 TGATCTTCTGTGGCTGATTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATG 784
QY 721 CTGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGATATG 780
Db 785 CTGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGATATG 844
QY 781 GATGAAACAGGTGTCATGAGATGATTTTAGACCATCAAGTCACCCACATGATTTTCT 840
Db 845 GATGAAACAGGTGTCATGAGATGATTTTAGACCATCAAGTCACCCACATGATTTTCT 904
QY 841 CTCTGATGGTTCTGGATGTCAGATATTTGCTGTCTCTCATCGTTATTTATTTGTCAA 900
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QY 901 TGATAGAAATTTATATCTAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCATG 960
Db 965 TGATAGAAATTTATATCTAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCATG 1024
QY 961 CTGCTACGTCCTCAGTGAATGGTTATTTTGGAGGAAGTCGTATGCTAGACAAGGAGAA 1020
Db 1025 CTGCTACGTCCTCAGTGAATGGTTATTTTGGAGGAAGTCGTATGCTAGACAAGGAGAA 1084
QY 1021 GGAGATGGAATAAGCAGATGTTTATTTGGGGCATTCCTTATCCAGCATGTGTTGGCA 1080
Db 1085 GGAGATGGAATAAGCAGATGTTTATTTGGGGCATTCCTTATCCAGCATGTGTTGGCA 1144
QY 1081 CTGCTCTCTCATCAATTTATAGCCATTTATACCATGCTTCAAGAGCCATTCCTTTTG 1140
Db 1145 CTGCTCTCTCATCAATTTATAGCCATTTATACCATGCTTCAAGAGCCATTCCTTTTG 1204
QY 1141 GAACAATGTGGCCGTTTGTGATCTGTTTTTTTGTATTTCTCTCTAAATCTGTTG 1200
Db 1205 GAACAATGTGGCCGTTTGTGATCTGTTTTTTTGTATTTCTCTCTAAATCTGTTG 1264
QY 1201 GTACAATCTTGGCCGAAATCTGTCAAGTCAGCCCAACTTTCTGTGTCGTCAATGCTG 1260
Db 1265 GTACAATCTTGGCCGAAATCTGTCAAGTCAGCCCAACTTTCTGTGTCGTCAATGCTG 1324
QY 1261 TGCTCTGCTTATACCGGAGAAAAATGTTTATGAGAGCCTGGGTTATTTGTCCTGG 1320
Db 1325 TGCTCTGCTTATACCGGAGAAAAATGTTTATGAGAGCCTGGGTTATTTGTCCTGG 1384
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QY 1321 GTGGAATTTTACCTTTTGGTTCAAATCTTTTATTGAAATGATTTTTCATCTTCAAGTCCTTTCT 1380
Db 1385 GTGGAATTTTACCTTTTGGTTCAAATCTTTTATTGAAATGATTTTTCATCTTCAAGTCCTTTCT 1444
QY 1381 GGGCATATAAGATCTATTATATGCTTATGCTTCAATGATGCTGTGCTGTTATCTCTGTGCA 1440
Db 1445 GGGCATATAAGATCTATTATGCTTATGCTTCAATGATGCTGTGCTGTTATCTCTGTGCA 1504
QY 1441 TTGTGACCTGTCTGTGCTGACTATTGTGTGCACATATTTTCTACTAAATGCAAGATTACC 1500
Db 1505 TTGTGACCTGTCTGTGCTGACTATTGTGTGCACATATTTTCTACTAAATGCAAGATTACC 1564
QY 1501 GGTGCAATGGCAAGTTTCTCTCTGCTGCAATCAACTGCAATCTATGTTTACATGATT 1560
Db 1565 GGTGCAATGGCAAGTTTCTCTCTGCTGCAATCAACTGCAATCTATGTTTACATGATT 1624
QY 1561 CCTTTTACTACTATTTTTCAAAAAACAAGATGATGGCTTATTTCAAACATCATTTTACT 1620
Db 1625 CCTTTTACTACTATTTTTCAAAAAACAAGATGATGGCTTATTTCAAACATCATTTTACT 1684
QY 1621 TTGGATATATGCGGTATTTAGCACAGCCTTGGGATATATGTTGGAGCGATTGGTTACA 1680
Db 1685 TTGGATATATGCGGTATTTAGCACAGCCTTGGGATATATGTTGGAGCGATTGGTTACA 1744
QY 1681 TGGGAACAAGTCCCTTTTGTCCGAAAAATCTATACTAAATGTGAAAAATTGACTAGAGACCCA 1740
Db 1745 TGGGAACAAGTCCCTTTTGTCCGAAAAATCTATACTAAATGTGAAAAATTGACTAGAGACCCA 1804
QY 1741 AGAAAACTGGAACTTTTGGATCAATTTCTTTTTCATAGGGTGGAACTTTGCAACAGCAAAA 1800
Db 1805 AGAAAACTGGAACTTTTGGATCAATTTCTTTTTCATAGGGTGGAACTTTGCAACAGCAAAA 1864
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## RESULT 3

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US-09-814-353-21837
; Sequence 21837, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; IDENTIFICATION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; THERAPY OF OVARIAN CANCER
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-068B
; CURRENT APPLICATION NUMBER: US/09/814,353
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21837
; LENGTH: 3508
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1, 2, 3506, 3507, 3508
; OTHER INFORMATION: n = A,T,C or G
US-09-814-353-21837
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Query Match 100.0%; Score 1800; DB 3; Length 3508;  
Best Local Similarity 100.0%; Pred. No. 0;













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1741 AACCTGGAACCTTGGATCAATTTCTTTTTCATAGGGGTGGAACCTTGACACAGCAAAA 1796
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RESULT 7
US-09-915-582-29
; Sequence 29, Application US/09915582
; Patent No. US20020120103A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 17 Human Secreted Proteins
; FILE REFERENCE: PS723P1
; CURRENT APPLICATION NUMBER: US/09/915,582
; CURRENT FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: PCT/US01/01431
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/231,968
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 29
; LENGTH: 3076
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3064)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-915-582-29

Query Match 97.4%; Score 1753; DB 3; Length 3076;
Best Local Similarity 98.8%; Pred. No. 0;
Matches 1762; Conservative 3; Mismatches 18; Indels 0; Gaps 0;

QY 18 CTGCTGCTGCTGCTGCCCGGACCCGGCGGACGAGCACGAAACACAGTATCAAGATAAA 77
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13 CTGCAGGTACCGGTCGGAATTCGCGGTGCGAGSCACGCGMCGCACGTATCAAGATAAA 72
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QY 78 GAGGAAGTGTCTTATGGATGAATACTGTTGGGCCCTACCAATATCGTCAAGAAAACATAT 137
Db |||||||
73 GAGGAAGTGTCTTATGGATGAATACTGTTGGGCCCTACCAATATCGTCAAGAAAACATAT 132
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QY 138 AAGTACTTTTTCACCTTCCATTCTGTGTGGGTCAAAAAAAGTATCAGTCAATTACCATGAA 197
Db |||||||
133 AAGTACTTTTTCACCTTCCATTCTGTGTGGGTCAAAAAAAGTATCAGTCAATTACCATGAA 192
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QY 198 ACTCGGAGAGACATTCAGGGGTTGAAATTGAAATTTTAGTGGTCTGGATATTTAAATTT 257
Db |||||||
193 ACTCGGAGAGACATTCAGGGGTTGAAATTGAAATTTTAGTGGTCTGGATATTTAAATTT 252
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QY 258 AAAGATGATGATGCCAGCCACTTACTGTGAAATTCGATTTAGNATAAGAAAAGAGAGAT 317
Db |||||||
253 AAAGATGATGATGCCAGCCACTTACTGTGAAATTCGATTTAGNATAAGAAAAGAGAGAT 312
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QY 318 GCATTTGTATATGCCATAAAAAATCATTACTGTGTACCAGATGTACATAGATGATTTACCA 377
Db |||||||
313 GCATTTGTATATGCCATAAAAAATCATTACTGTGTACCAGATGTACATAGATGATTTACCA 372
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QY 378 ATATGGGGTATTTGTTGGTGGCTGTAGTAAATGGAGAAGATTACTACTCTTTGGACCTAT 437
Db |||||||
373 ATATGGGGTATTTGTTGGTGGCTGTAGTAAATGGAGAAGATTACTACTCTTTGGACCTAT 432
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Db |||||||
433 AAAAAAATTGAAATAGTTTTTAATGGAAATCGAAATTTGATGTTAATCTAACTAGTGAA 492
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QY 498 GGAAAGGTGAAACCTGGTTTCCAAATACTAAATCCAGATGCATATTCAGTAAATGGAAA 557
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Db 493 GGAAAGGTGAAACCTGGTTCCAAATATACTAAATCCAGATGTCATATTCAGTAAAAATGGAAA 552
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Db |||||||
553 AAGTCAGATGTGAAATTTTGAAGATCGAATTTTGACAAATATCTTGATCCGTCCTTTTTCAA 612
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QY 618 CATCGGATTCATTGGTTTTTCAATTTTCAATCTCTTCATGATGGTGATCTCTTGGTGGGC 677
Db |||||||
613 CATCGGATTCATTGGTTTTTCAATTTTCAATCTCTTCATGATGGTGATCTCTTGGTGGGC 672
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QY 678 TTAGTTTTCAATGATTTTAAATGAGAACATTAAGAAAAGATTTATGCTCGGTACAGTAAAGAG 737
Db |||||||
673 TTAGTTTTCAATGATTTTAAATGAGAACATTAAGAAAAGATTTATGCTCGGTACAGTAAAGAG 732
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QY 738 GAAGAAATGGATGATATGGATAGAGACCTTAGGAGATGAATATGGATGGAGAAACAGGTGCAT 797
Db |||||||
733 GAAGAAATGGATGATATGGATAGAGACCTTAGGAGATGAATATGGATGGAGAAACAGGTGCAT 792
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QY 798 GGAGATGATTTAGACCATCAAGTCACCCACTGATATTTTCTCTCTGATGGTTCGGA 857
Db |||||||
793 GGAGATGATTTAGACCATCAAGTCACCCACTGATATTTTCTCTCTGATGGTTCGGA 852
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QY 858 TGTGAGATATTTGCTGTCTCTCATCGTTTATTTGTTGCAATGATAGAGATTTATAT 917
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853 TGTGAGATATTTGCTGTCTCTCATCGTTTATTTGTTGCAATGATAGAGATTTATAT 912
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913 ACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGCTATGCTGCTACGTCTCCAGTG 972
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QY 978 AATGGTTATTTTGGAGAAAGTCTGTATGCTAGACAAGAGGAGAAAGAGATGGATAAAGCAG 1037
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973 AATGGTTATTTTGGAGAAAGTCTGTATGCTAGACAAGAGGAGAAAGAGATGGATAAAGCAG 1032
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QY 1038 ATGTTTATTTGGGGCATTCCCTTATCCAGCTATGCTGTGGGCACTGCCTTCTTCATCAAT 1097
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1033 ATGTTTATTTGGGGCATTCCCTTATCCAGCTATGCTGTGGGCACTGCCTTCTTCATCAAT 1092
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QY 1098 TTCCATAGCCATTTATTAACCATGCTTCAAGAGCCATTCCCTTTTGGAAACAATGGTGGCGTT 1157
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1093 TTCCATAGCCATTTATTAACCATGCTTCAAGAGCCATTCCCTTTTGGAAACAATGGTGGCGTT 1152
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QY 1158 TGTGATCTGTTTTTTTGTATTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1217
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1153 TGTGATCTGTTTTTTTGTATTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1212
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QY 1218 AATCTGTGAGGTGAGCCCAACTTTCTTGTGCTGTCATCTGCTGCTGCTGCTGCTGCTGCTG 1277
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1213 AATCTGTGAGGTGAGCCCAACTTTCTTGTGCTGTCATCTGCTGCTGCTGCTGCTGCTGCTG 1272
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QY 1278 GAGAAAAAATGGTTTCATGGAGCCCTGCGGTTATTTGTTGCTGGGTGGAAATTTTACCTTTT 1337
Db |||||||
1273 GAGAAAAAATGGTTTCATGGAGCCCTGCGGTTATTTGTTGCTGGGTGGAAATTTTACCTTTT 1332
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QY 1338 GGTTCATCTTTATTTGAAATGATTTTCACTTCAAGTCTTTCTGGGCAATATAGATCTAT 1397
Db |||||||
1333 GGTTCATCTTTATTTGAAATGATTTTCACTTCAAGTCTTTCTGGGCAATATAGATCTAT 1392
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QY 1398 TATGCTCTATGGCTTTCATGATGCTGGTGTATCTGTCGATTTGTGACCTGTCTGTGTG 1457
Db |||||||
1393 TATGCTCTATGGCTTTCATGATGCTGGTGTATCTGTCGATTTGTGACCTGTCTGTGTG 1452
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QY 1458 ACTATTTGTGTGCAATATTTTCTACTAAATGCAAGAGATTACCGGTGGCAATGGACAAGT 1517
Db |||||||
1453 ACTATTTGTGTGCAATATTTTCTACTAAATGCAAGAGATTACCGGTGGCAATGGACAAGT 1512
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QY 1518 TTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGATTTCTTTTACTACTATTTT 1577
Db |||||||
1513 TTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGATTTCTTTTACTACTATTTT 1572
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QY 1578 TTTCAAAACAAAGATGATGGCTTATTTTCAAAACATCAATTTTACTTTTGGATATATGGCGGTA 1637
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1573 TTTCAAAACAAAGATGATGGCTTATTTTCAAAACATCAATTTTACTTTTGGATATATGGCGGTA 1632
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QY 1638 TTTAGCACGCCCTTGGGATAAATGTGTGGAGCGATTGGTTTACATGGAAACAAGTGCCTTT 1697  
Db 1633 TTTAGCACGCCCTTGGGATAAATGTGTGGAGCGATTGGTTTACATGGAAACAAGTGCCTTT 1692  
QY 1698 GTCCGAAAAATCTATCTAATGTGAAATTTGACTAGAGACCCCAAGAAAACCTGGAACTTTT 1757  
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Db 1753 GGATCAATTTCTTTTTCATAGGGGTGGAACCTTGACAGCAAAA 1795  
RESULT 8  
US-10-277-802-29  
; Sequence 29, Application US/10277802  
; Publication No. US20030190707A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 17 Human Secreted Proteins  
; FILE REFERENCE: PS723P1  
; CURRENT APPLICATION NUMBER: US/10/277,802  
; CURRENT FILING DATE: 2002-10-23  
; PRIOR APPLICATION NUMBER: 09/915,582  
; PRIOR FILING DATE: 2001-07-27  
; PRIOR APPLICATION NUMBER: PCT/US01/01431  
; PRIOR FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: 60/179,065  
; PRIOR FILING DATE: 2000-01-31  
; PRIOR APPLICATION NUMBER: 60/180,628  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: 60/231,968  
; PRIOR FILING DATE: 2000-09-12  
; NUMBER OF SEQ ID NOS: 97  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 29  
; LENGTH: 3076  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (3064)  
; OTHER INFORMATION: n equals a,t,g, or c  
US-10-277-802-29  
Query Match 97.4%; Score 1753; DB 6; Length 3076;  
Best Local Similarity 98.8%; Pred. No. 0;  
Matches 1762; Conservative 3; Mismatches 18; Indels 0; Gaps 0;  
QY 18 CTGCTGCTGCTGCTGCCCGGACCCGGCGGAGCAGCAGCAACACACGTTATCAAGATAAA 77  
Db 13 CTGCAGGTACCGGTCCGGAAATTCGCCGGGTGCGACSCACGCGMCGCAGTATCAAGATAAA 72  
QY 78 GAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCAATAATCGTCAAGAAAACATAT 137  
Db 73 GAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCAATAATCGTCAAGAAAACATAT 132  
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Db 133 AAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAGATATCAGTCAATTACCAGAA 192  
QY 198 ACTCTGGGAGAGCACTTCAAGGGGTGAATTTGGAATTTAGTGGTCTGATATTAATTTT 257  
Db 193 ACTCTGGGAGAGCACTTCAAGGGGTGAATTTGGAATTTAGTGGTCTGATATTAATTTT 252  
QY 258 AAAGATGATGTGATGCCAGCCACTTACTGTGAAATTTGATTTAGATAAAGAAAAGAGAGAT 317  
Db 253 AAAGATGATGTGATGCCAGCCACTTACTGTGAAATTTGATTTAGATAAAGAAAAGAGAGAT 312  
QY 318 GAATTTGTATATGCCATAAAAAATCATTTACTGGTACCAGATGTACATGATGATTACCA 377  
Db 313 GAATTTGTATATGCCATAAAAAATCATTTACTGGTACCAGATGTACATGATGATTACCA 372

QY 378 ATATGGGGTATTGTTGGTGAGCGCTGATGAAATGGAGAGATTACTATCTTTTGGACCTAT 437  
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QY 438 AAAAAACCTTTGAAATAGGTTTTAATGGAAATCGAAATTTGTTGATGTTAATCTAACTAGTGAA 497  
Db 433 AAAAAACCTTTGAAATAGGTTTTAATGGAAATCGAAATTTGTTGATGTTAATCTAACTAGTGAA 492  
QY 498 GGAAGAGTGAAAACCTGGTTCCAAATATAAATCCAGATGTCATATTTACGTAAATAGGAAA 557  
Db 493 GGAAGAGTGAAAACCTGGTTCCAAATATAAATCCAGATGTCATATTTACGTAAATAGGAAA 552  
QY 558 AAGTCAGATGTGAAAATTTGAAGATCGATTTGACAAATATCTTTGATCCGCTCTTTTCAA 617  
Db 553 AAGTCAGATGTGAAAATTTGAAGATCGATTTGACAAATATCTTTGATCCGCTCTTTTCAA 612  
QY 618 CATCGGATTCATTGGTTTTCAATTTTCAACTCTCTCATGATGGTGATCTTTCTTGGTGGGC 677  
Db 613 CATCGGATTCATTGGTTTTCAATTTTCAACTCTCTCATGATGGTGATCTTTCTTGGTGGGC 672  
QY 678 TTAGTTTCAATGATTTTAAATGAGAACATTAAGAAAAGATTATGCTCGGTACAGTAAAGAG 737  
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QY 738 GAAGAAATGGATGATATGGATAGAGACCTTAGGAGATGAATATGGATGGAAACAGGTGCAT 797  
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QY 918 ACTGAGAGGGGATCAATGCTCAGTACAGCCATTTTGTCTATGCTGCTACGTTCCAGTG 977  
Db 913 ACTGAGAGGGGATCAATGCTCAGTACAGCCATTTTGTCTATGCTGCTACGTTCCAGTG 972  
QY 978 AATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAGAGATGGAATAAGCAG 1037  
Db 973 AATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAGAGATGGAATAAGCAG 1032  
QY 1038 ATGTTTATTTGGGGCATTCCTTATCCAGCTATGGTGTGGCACTGCCCTTCTTCATCAAT 1097  
Db 1033 ATGTTTATTTGGGGCATTCCTTATCCAGCTATGGTGTGGCACTGCCCTTCTTCATCAAT 1092  
QY 1098 TTCTAGAGCCATTTATTTACCATGCTTCAAGAGCCATTCCTTTTGGAAACATGTTGGCCGTT 1157  
Db 1093 TTCTAGAGCCATTTATTTACCATGCTTCAAGAGCCATTCCTTTTGGAAACATGTTGGCCGTT 1152  
QY 1158 TGTTGCATCTGTTTTTTTTTTGTTATTTCTCTCTTAAATCTTTGTTGGTACAATACTTTGGCCGA 1217  
Db 1153 TGTTGCATCTGTTTTTTTTTTGTTATTTCTCTCTTAAATCTTTGTTGGTACAATACTTTGGCCGA 1212  
QY 1218 AATCTGTAGGTCAGCCCAACTTTTCTGTCGTGTCAATGTCGTGTCGTCGTCCTATACCG 1277  
Db 1213 AATCTGTAGGTCAGCCCAACTTTTCTGTCGTGTCAATGTCGTGTCGTCGTCCTATACCG 1272  
QY 1278 GAGAAAAATGGTTTCATGAGCGCTGGGTATTTGTTGCGCTGGGTGGAAATTTTACCTTTT 1337  
Db 1273 GAGAAAAATGGTTTCATGAGCGCTGGGTATTTGTTGCGCTGGGTGGAAATTTTACCTTTT 1332  
QY 1338 GGTTCAAATCTTTTATTTGAAATGTTATTTTCATCTTTACGCTCTTTCTGGGCATATAAGATCTAT 1397  
Db 1333 GGTTCAAATCTTTTATTTGAAATGTTATTTTCATCTTTACGCTCTTTCTGGGCATATAAGATCTAT 1392  
QY 1398 TATGTCATGCGCTTCATGATGCTGCTGCTGTTATTCCTGTGTCGATTTGTGACTGTCGTGTG 1457  
Db 1393 TATGTCATGCGCTTCATGATGCTGCTGCTGTTATTCCTGTGTCGATTTGTGACTGTCGTGTG 1452

Qy	1458	ACTATTGTGTGCACATATTTTCTACTAAATGCAGAAATTACCGGTGGCAATGGAACAAGT	1517
Db	1453	ACTATTGTGTGCACATATTTTCTACTAAATGCAGAAATTACCGGTGGCAATGGAACAAGT	1512
Qy	1518	TTTCTCTCTGTGCATCAACTGCCAATCTATGTGTTTACATGTATTCCTTTTACTACTATTTT	1577
Db	1513	TTTCTCTCTGTGCATCAACTGCCAATCTATGTGTTTACATGTATTCCTTTTACTACTATTTT	1572
Qy	1578	TTCAAAAACAAGATGTATGGCTTATTTTCAAAACATCATTTTACTTTTGGATATATGGCGGTA	1637
Db	1573	TTCAAAAACAAGATGTATGGCTTATTTTCAAAACATCATTTTACTTTTGGATATATGGCGGTA	1632
Qy	1638	TTTAGCACAGCCTTTGGGGATAAATGTGTGGAGCGATTGGTTACATGGGAAACAAAGTGCCTTT	1697
Db	1633	TTTAGCACAGCCTTTGGGGATAAATGTGTGGAGCGATTGGTTACATGGGAAACAAAGTGCCTTT	1692
Qy	1698	GTCCGAAAATCTATACTCTAATGTGAAAATTTGACTTAGAGACCCAGAANAACCTGGAACCTTT	1757
Db	1693	GTCCGAAAATCTATACTCTAATGTGAAAATTTGACTTAGAGACCCAGAANAACCTGGAACCTTT	1752
Qy	1758	GGATCAATTTCTTTTTCATAGGGGTGGAACCTTGCACACGAAAA	1800
Db	1753	GGATCAATTTCTTTTTCATAGGGGTGGAACCTTGCACACGAAAA	1795

## RESULT 9

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US-10-896-972-29
; Sequence 29, Application US/10896972
; Publication No. US20050032168A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 17 Human Secreted Proteins
; FILE REFERENCE: PS723P1
; CURRENT APPLICATION NUMBER: US/10/896,972
; CURRENT FILING DATE: 2004-07-23
; PRIOR APPLICATION NUMBER: US/09/915,582
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: PCT/US01/01431
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/231,968
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 29
; LENGTH: 3076
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3064)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-896-972-29

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	Query Match	97.4%	Score 1753;	DB 8;	Length 3076;
	Best Local Similarity	98.8%;	Pred. No. 0;		
	Matches 1762;	Conservative 3;	Mismatches 18;	Indels 0;	Gaps 0;
Qy	18	CTGCTGCTGCTGCTGCCCGGACCGGGCGAGCAGCAGCACACGTCATCAGATATAA	77		
Db	13	CTGAGGTACCGGTCGCGGAATTCCTCCGGTTCGACSCACGCGMMCGCATGTCATCAAGATATAA	72		
Qy	78	GAGGAAGTGTCTTATGGATGAATACTGTTGGGCCCTACCATATTCGTCAAGAAAAACATAT	137		
Db	73	GAGGAAGTGTCTTATGGATGAATACTGTTGGGCCCTACCATATTCGTCAAGAAAAACATAT	132		
Qy	138	AAGTACHTTTTCACHTTCATCTGTGTGGGGTCAAAAAAAGTATCAGTCATTTACCATGAA	197		
Db	133	AAGTACHTTTTCACHTTCATCTGTGTGGGGTCAAAAAAAGTATCAGTCATTTACCATGAA	192		

Qy	198	ACTCTGGGAGAGCACTTTCAAGGGGTGAATTTGGAATTTAGTCGGTCGGGATATTTAAATTTT	251
Db	193	ACTCTGGGAGAGCACTTTCAAGGGGTGAATTTGGAATTTAGTCGGTCGGGATATTTAAATTTT	252
Qy	258	AAAGATGATGTGATGCCAGCCACTTACTGTGAAATTTGATTTAGATTAAGAGAAAGAGAGAT	317
Db	253	AAAGATGATGTGATGCCAGCCACTTACTGTGAAATTTGATTTAGATTAAGAGAAAGAGAGAT	312
Qy	318	GCATTTGTATATGCGCATAAAAATCATTTACTGGTACCAGATGTACATAGATGATTTTACCA	377
Db	313	GCATTTGTATATGCGCATAAAAATCATTTACTGGTACCAGATGTACATAGATGATTTTACCA	372
Qy	378	ATATGGGGTATTGTTGGTGAGCGTGATGAAAAATGGAGAGATTACTATCTTTGGACCTAT	437
Db	373	ATATGGGGTATTGTTGGTGAGCGTGATGAAAAATGGAGAGATTACTATCTTTGGACCTAT	432
Qy	438	AAAAAACTTGAANATAGGTTTTTAATGGAATTCGAATTTGTTGATGTTAATCTCAACTAGTGAA	497
Db	433	AAAAAACTTGAANATAGGTTTTTAATGGAATTCGAATTTGTTGATGTTAATCTCAACTAGTGAA	492
Qy	498	GGAAAGGTGAAACTGGTTCCAAATACTAANAATCCAGATGTCATATTCAAGTAAANAATGAAA	557
Db	493	GGAAAGGTGAAACTGGTTCCAAATACTAANAATCCAGATGTCATATTCAAGTAAANAATGAAA	552
Qy	558	AACTCAGATGTGAAATTTTGAAGATCGATTTTGACAAATATCTTGATCCGTCCTTTTTTCAA	617
Db	553	AACTCAGATGTGAAATTTTGAAGATCGATTTTGACAAATATCTTGATCCGTCCTTTTTTCAA	612
Qy	618	CATCGGATTCATTTGGTTTTTCAATTTTCAACTCCTTCATGATGTTGATCTTTCTTGGTGGC	677
Db	613	CATCGGATTCATTTGGTTTTTCAATTTTCAACTCCTTCATGATGTTGATCTTTCTTGGTGGC	672
Qy	678	TTAGTTTCAATGATTTTAAATGAGAAACATTAAAGAAAAAGATTATGCTCGGTACAGTAAAGAG	737
Db	673	TTAGTTTCAATGATTTTAAATGAGAAACATTAAAGAAAAAGATTATGCTCGGTACAGTAAAGAG	732
Qy	738	GAAGAAATGGATGATATGGAATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCAT	797
Db	733	GAAGAAATGGATGATATGGAATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCAT	792
Qy	798	GGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCCTCTCTGATTTGGTTCTGGGA	857
Db	793	GGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCCTCTCTGATTTGGTTCTGGGA	852
Qy	858	TGTCAGATATTTCTGTCCTCTCATCGTTATTATTGTTGCAATGATAGAAAGATTTATAT	917
Db	853	TGTCAGATATTTCTGTCCTCTCATCGTTATTATTGTTGCAATGATAGAAAGATTTATAT	912
Qy	918	ACTGAGAGGGGATCAATTGCTCAGTACAGCCATATTTGTCATGCTGCTCAGTCTCCAGTG	977
Db	913	ACTGAGAGGGGATCAATTGCTCAGTACAGCCATATTTGTCATGCTGCTCAGTCTCCAGTG	972
Qy	978	AATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGAGAGATGGATAAAGCAG	1037
Db	973	AATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGAGAGATGGATAAAGCAG	1032
Qy	1038	ATGCTTATTTGGGGCAATTCCTTATCCAGCTATCGTGTGGCACTGCTTTCTTCATCAAT	1097
Db	1033	ATGCTTATTTGGGGCAATTCCTTATCCAGCTATCGTGTGGCACTGCTTTCTTCATCAAT	1092
Qy	1098	TTCATAGCCATTTTATACCATGCTTCAAGAGCCATTCCTTTTGGAAACAATGGTGGCCGTT	1157
Db	1093	TTCATAGCCATTTTATACCATGCTTCAAGAGCCATTCCTTTTGGAAACAATGGTGGCCGTT	1152
Qy	1158	TGTTGCAATCTGTTTTTTTTTGTATTTCTTCCTAAATCTTTGTTGGTACAATPACTTTGGCCGA	1217
Db	1153	TGTTGCAATCTGTTTTTTTTTGTATTTCTTCCTAAATCTTTGTTGGTACAATPACTTTGGCCGA	1212
Qy	1218	AATCTGTGAGTCAGGCCCACTTTTCTTGTGCTGATGCTGCTGCTGCTGCTGCTATACCG	1277
Db	1213	AATCTGTGAGTCAGGCCCACTTTTCTTGTGCTGATGCTGCTGCTGCTGCTGCTATACCG	1272
Qy	1278	GAGAAAAAATGGTTTCATGGAGCCTGGGGTTATTGTTTGGCTCGGGTGGAAATTTTACCTTTT	1337











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Db 1128 ACTGCTCTTCATCAATTCATAGCCATTTATACAGTCTCAAGAGCCATTCCTTTT 1187
Qy 1140 GGAACAAATGGTGGCGGTTTGTGTCATCTGTTTTTTTGTATCTCTCTAAATCTTGT 1199
Db 1188 GGAACAAATGGTGGCGGTTTGTGTCATCTGTTTTTTTGTATCTCTCTAAATCTTGT 1247
Qy 1200 GGTACAAATCTGGCCGAAATCTGTAGGTGAGCCCAACTTCTTGTGTTGCAATGCT 1259
Db 1248 GGTACAAATCTGGCCGAAATCTGTAGGTGAGCCCAACTTCTTGTGTTGCAATGCT 1307
Qy 1260 GTGCTCTGCTCTATACCGGAGAAAAATGGTTATGGAGCCTCGGTTATTTGTTGCTG 1319
Db 1308 GTGCTCTGCTCTATACCGGAGAAAAATGGTTATGGAG-CTGGGGTTATTTGTTGCTG 1366
Qy 1320 GGTGGAATTTTACCTTTTGGTTCAATCTTTATGAAATGTATTTCACTCTTCACGTCTTC 1379
Db 1367 GGTGGAATTTTACCTTTTGGTTCAATCTTTATGAAATGTATTTCACTCTTCACGTCTTC 1426
Qy 1380 TGGGCATATAGATCTATATGCTATGGCTTCATGATGCTGGTGTATCCTGTGC 1439
Db 1427 TGGGCATATAGATCTATATGCTATGGCTTCATGATGCTGGTGTATCCTGTGC 1486
Qy 1440 ATTGTGACTGCTGTGACTATTGTGTCACATATTTCTACTAAATGCAGAGATTAC 1499
Db 1487 ATTGTGACTGCTGTGACTATTGTGTCACATATTTCTACTAAATGCAGAGATTAC 1546
Qy 1500 CGGTGGCAATGGACAAGTTTTCTCTCTGTCATCAACTGCAATCTATGTTTACATGTAT 1559
Db 1547 CGGTGGCAATGGACAAGTTTTCTCTCTGTCATCAACTGCAATCTATGTTTACATGTAT 1606
Qy 1560 TCCTTTTACTACTATTTTCAAAACAAAGATGATGCTTATTTCAACATCATTTTAC 1619
Db 1607 TCCTTTTACTACTATTTTCAAAACAAAGATGATGCTTATTTCAACATCATTTTAC 1666
Qy 1620 TTTGGATATATGGCGGTATTTAGCACAGCCTTGGGATAATGTGGAGCGATTTGGTTAC 1679
Db 1667 TTTGGATATATGGCGGTATTTAGCACAGCCTTGGGATAATGTGGAGCGATTTGGTTAC 1726
Qy 1680 ATGGGAACAAGTGCTTTGTCGAAAAATCTATACTAATGTGAAAAATTGACTAGACCC 1739
Db 1727 ATGGGAACAAGTGCTTTGTCGAAAAATCTATACTAATGTGAAAAATTGACTAGACCC 1786
Qy 1740 AAGAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACCTTGACAGCAA 1799
Db 1787 AAGAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACCTTGACAGCAA 1846
Qy 1800 A 1800
Db 1847 A 1847
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RESULT 13
US-10-062-674-1697
; Sequence 1697, Application US/10062674
; Publication No. US2004000559A1
; GENERAL INFORMATION:
; APPLICANT: Loring, Jeanne F.; Kaser, Matthew R.
; TITLE OF INVENTION: MARKERS OF NEURONAL DIFFERENTIATION AND MORPHOGENESIS
; FILE REFERENCE: PA-0026-1 CIP
; CURRENT APPLICATION NUMBER: US/10/062,674
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: US 09/625,102
; PRIOR FILING DATE: 2000-07-24
; NUMBER OF SEQ ID NOS: 2217
; SOFTWARE: PERL Program
; SEQ ID NO 1697
; LENGTH: 6197
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US2004000559A1 233927.4
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; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1) ... (6197)
; OTHER INFORMATION: a, t, c, g, or other
US-10-062-674-1697

Query Match 56.2%; Score 1011.6; DB 6; Length 6197;
Best Local Similarity 84.6%; Pred. No. 8.7e-238;
Matches 1605; Conservative 0; Mismatches 195; Indels 97; Gaps 38;

Qy 1 CCGCGGCGTGTGGCTGCTG-CTGCTGCTGCTGCCCGGAC-CGGGCGGACGACGACGA 58
Db 4 CCGCGGCGTGTGGCTGCTGTTTGTCTGCTGCTGCCCGGACTCCGGGCGGACGACGACGA 63
Qy 59 ACACAGTATCAAGATAAAGAGGAAAGTTGTCTTATGATGAATACT--GTTGGGCCCTAC 116
Db 64 ACACAGTGTCAAGATAAAGAGGAAAGTTGTCTTATGATGAATACTTTGGGCCCTAAC 123
Qy 117 CATAAATCGTCAAGAAACATATAAGTACTTTTTCATCTTCCATCTCTGTGTGGGGTC---AAAA 173
Db 124 AAAATTCGTGAGAAAACTTTTAAAGTACTTTTTCATCTTCCATCTCTGTGTGGGGTCAAAAAA 183
Qy 174 AAAAGTATCAGTCAATACCATGAAACTCTGGAGAGACACTTCAAGGGGTTGAATTCGAA 233
Db 184 AAAAGTATCAGTCAATACCATGAAACTCTGGAGAGACACTTCAAGGGGTTGAATTCGAA 243
Qy 234 TTTAGTGGTCTGGATATTAATTTTAAAGATG-ATGTGATGCCAGCCACTT-ACTGTGAAA 291
Db 244 TTTAGTGGTCTGGATATTAATTTTAAAGCTGCATGTGATGCCAGCCACTTCACTGTGAAC 303
Qy 292 TTG-ATTAGATTAAG-AAAAGAGAGATGCAATTGTATATGCCATAAAAAATCAATTACTG 349
Db 304 TCGCATTTAGATAAAGCAAAAGAGAGATGCAATTTGTATATGCCATAA CAATCATTTACTG 363
Qy 350 GTACCAG-ATGTACATAG--ATGATTTTACCAATATGGGTATTTGTCGTGAGGCTGATGA 406
Db 364 GTACCAGCATGTACATAGCATGATTTTACCNNATATGGGGTATTTGTCGTGAGGCTGATGA 423
Qy 407 AAATG-GAGAAGATTACTATC--TTTGGACCTATAAAAACTTTGAAAT--AGGTTTTAAT 461
Db 424 AAATGGAGAAGATTACTATCTGTGGACCGTATAAAAACTTTGAAATTAGGTTTTAAT 483
Qy 462 GGAATTCGAA-----TTGTTGATGTTAATCTAATCTAGTAGAAGGAAGGTGAACTGG 513
Db 484 GGAATTCGGAAGTTGTTGTATGTTATATCTAACTACGTGAAGAGAAAGAGTGAAACATGG 543
Qy 514 TTCACAAATCTAAATCCAGATGTCATATTTCACTAGTAAATGGAAGAAAGTCAGA---TCGTA 570
Db 544 TTCACAAATCTAAATCCAGATGTCATATTTCACTAGTAAAGTGGAAA CAAGTCAGATTGTGA 603
Qy 571 AATTTGAAGATCGATTTTGACAAATATCTTGATCCGTCCT-TTTTTCAACATCGGATTCAT 629
Db 604 AATTTGAAGATCGATTTTGACAAATATCTTGATCCGTCCTTTTCAACATCGGATTCAT 663
Qy 630 TGGTTTTCAA-----TTTTCAACTCTTCATGAT-GGTGATCTCTTGGT-GGGCTTAGT 682
Db 664 TGGTTTTCTACATGTTGTCAACTCCGTTTCATGATGGGTGATCTCTTTGGTGGGGCTTAGT 723
Qy 683 TTCAAATGATTTTAAATGAGAAACA--TTAAGAAAAGATTATGTCGGTACAGTAAAGAGGA 739
Db 724 TTCAAATGATTTTAAATGAGAAACATTAAGAAAAGATTATGTCGGTACAGTAAAGAGGA 783
Qy 740 AGAAATGGATGATATGGATAGACACCTTAGAGATGAATATG---GATGGAACACAGGTGCA 796
Db 784 AGAAATGGATGATATGGATAGACACCTTAGAGATGAATATGATGTGGAAGAAAACAGGTGCA 843
Qy 797 T--GGAGATGATTTAGACCAT--CAAGTCACCCACTGATATTTCTCTCTGATGTCGTC 853
Db 844 TTGGAAGATGATTTTAGACCATCAAGTCACCCACTGATATTTCTCTCTCTGATTTGGTTTC 903
Qy 854 TGGATGTACGATATTTGCTGTGCTCTCATC- GTTATTTATTTGTTCAATGATAGAAGATT 912
Db 904 TGGATGTACGATATTTGCTGTGCTCTCATCGGTAAATAATGGTGGCAATGATAGAAGATT 963
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Db 140 ATTATTACCATGCTTCAAGACCAATTCCTTTTGGAAACAATGGTGGCGGTTTGTTCATC 199
Qy 1167 TGTGTTTTGTTATTTCTTCTAAATCTGTGTGTAACAATCTTGGCCGAAATCTGTCA 1226
Db 200 TGTGTTTTGTTATTTCTTCTTAAATCTGTGTGTAACAATCTTGGCCGAAATCTGTCA 259
Qy 1227 GGTGAGCCCACTTTCCTTGTGCTGCTCAATGCTGTGCTGCTCTATACCGGAGAAAAA 1286
Db 260 GGTGAGCCCACTTTCCTTGTGCTGCTCAATGCTGTGCTGCTCTATACCGGAGAAAAA 319
Qy 1287 TGGTTCATGGAGCCTGCGGTTATCTTTGCGCTGGGTGAATTTACCTTTGGTTCATC 1346
Db 320 TGGTTCATGGAGCCTGCGGTTATCTTTGCGCTGGGTGAATTTACCTTTGGTTCATC 379
Qy 1347 TTTATTGAAATGTAATTTTCATCTTCACTTCTTGGGCATATAAGATCTATTATGCTAT 1406
Db 380 TTTATTGAAATGTAATTTTCATCTTCACTTCTTGGGCATATAAGATCTATTATGCTAT 439
Qy 1407 GGCCTCATGATGCTGGTCTGGTTATCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1466
Db 440 GGCCTCATGATGCTGGTCTGGTTATCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 499
Qy 1467 TGCACATATTTCTACTAAATGCGAA--GATTACCGGT----- 1503
Db 500 TGCACATATTTCTACTAAATGCGAAGNATTTACCGGTGCGCATTCATTCAAAAGNAG 559
Qy 1504 -----GCAATGGAAGAATTTCTCTCTGCTGCATC 1534
Db 560 ATTTATCTTCTTCCCTCCCGCCAGGCAATGGACAAGTTTCTCTCTGCTGCATC 619
Qy 1535 AACTGCAATCTATGTTTACATGATTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1594
Db 620 AACTGCAATCTATGTTTACATGATTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 679
Qy 1595 TGGCTTATTTCAACATCATTTTACTTTGGATATATGCGGTATTTAGCAGACCTT-GG 1653
Db 680 TGGCTTATTTCAACATCATTTTACTTTGGATATATGCGGTATTTAGCAGACCTTGGG 739
Qy 1654 GGATAATGTTGGAGCGATGCTTACATGGAACAAGTGCCTTTGTCCGAAAAATCTATA 1713
Db 740 GGATAATGTTGGAGCGATGCTTACATGGAACAAGTGCCTTTGTCCGAAAAATCTATA 799
Qy 1714 CTAATGTGAAATTTGACTTAGAGACCCAGAAAACCTTGGATCAATTTCTTTT 1773
Db 800 CTAATGTGAAATTTGACTTAGAGACCCAGAAAACCTTGNAACTTTGGATCAATTTCTTTT 859
Qy 1774 CATAGGGGTGAACTTGCACAGCAAAA 1800
Db 860 CATAGGGGTGAACTTGCACAGCAAAA 886
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## RESULT 15

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US-11-097-143-22277
; Sequence 22277, Application US/11097143
; Publication No. US200502085581
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
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; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22277
; LENGTH: 1863
; TYPE: DNA
; ORGANISM: DROSOPHILA
US-11-097-143-22277

Query Match 35.9%; Score 646; DB 10; Length 1863;
Best Local Similarity 62.7%; Pred. No. 4.9e-148;
Matches 1067; Conservative 0; Mismatches 560; Indels 75; Gaps 1;

Qy 31 TGCCCCGGACCCGGGCGGACGACGACACACGATATCAAGATAAAGAGGAAAGTTGTCT 90
Db 236 TGTGCTCTCCAGGCAGATGAGCACAATCACAAGTACAATGACCGGAGGAGGTGGTAC 295
Qy 91 TATGGATGAATACTGTTGGGCCCTTACCATAATCGTCAAGAACATATAAGTACTTTTTCAC 150
Db 296 TGTGGATGAACACGCGTGGGCCCGTACCACAATCGCAGGAGACGTACGCGTACTTCTCTC 355
Qy 151 TTCCATTCTGTGTGGGGTCAAAAAAAGATATCAGTCAATACCATGAAACTCTGGAGAG 210
Db 356 TCCCTTTTGCAGTGGCCAGAGTCTTCGATATCGCTACCCAGAGCGGTGAGCGAGG 415
Qy 211 CACTTCAAGGGTTGAAATTTAGTGGTCTGATATTTAAATTTAAAGATGATGTGA 270
Db 416 CGCTGCAAGGAGTTCAGTCTAGAGTTTCAAGAGTGGAGTTCACAGAGCGAGCGCC 475
Qy 271 TGCAGCGCATCTACTGTGAAATTTGATTTAGATAAAGAAAGAGAGATGTCATTTGTATG 330
Db 476 CCAATCGGTCTATCGATGCTCACCTTGCAGGAGGAGCGCCAGGCGATTCACCTATG 535
Qy 331 CCATAAAAAATCAATTACTGCTGATCCAGATGTACATAGATGATTTTACCAATATGGGGTATG 390
Db 536 CCGTGAAGAACGAGTACTGTTACCGAGATGTACATCGATGAGCTGCCCTTTTGGGGAAAAG 595
Qy 391 TTGCTGAGGCTGATGAAAAATGGAGAGATTAATCTATCTTTGGACCTATAAAAAAATTGAAA 450
Db 596 TCGGTGAGCGCGACGAGCGGATGGCAAGTACTATATCTTCAAGCAACAAGATTCGACA 655
Qy 451 TAGGTTTTTAATGGAATCGAATTTGTCATCTTAATCTAATCTAGTGAAGGAAAGGTGAAC 510
Db 656 TCGGCTACAATGGCCAGCAATCGTGGATATCACCTTGACACCGAGGGCGCGAGGAAC 715
Qy 511 TGGTTCCAAATACTAATAATCCAGATGTCAATATTCAGTAAAAATGAAAAAGTCAGATGTGA 570
Db 716 TCAAGCCGGGATCCACATCAACTTCTCTACGAGGTCACTGGAAGCCGACGAGGTGG 775
Qy 571 AATTGGAAGATCGATTGACAAATATCTTGATCCGTCCTTTTTCACATCGGATTCATT 630
Db 776 AGTTCAAGAAATCGATTTCGACAAGTACCTGGATCCCAACTTCTTCCAGCACAGGATCCACT 835
Qy 631 GGTGTTTCAATTTTCAACTCCTTCATGATGCTGATCTTCTTGGTGGGCTTAGTTCATGA 690
Db 836 GGTTCAGCATCTTCAACAGCTTTCATGATGCTATCTTCTGTTGGGTCTGTTGTGTCATGA 895
Qy 691 TTTTAAATGAGAACATTAAGAAAAAGATTTATGCTCGGTACAGTAAAGAGAGAAAAATGATG 750
Db 896 TTCTGTGCGAACTCTGCGCAAGGATTTATGCTCGGTACAGTAAAGACGAGGAATCGACG 955
Qy 751 ATATGGATAGAGACCTTAGGAGATGAATATGATGGAAGAAAGGTGCTCATGAGATGTTTA 810
Db 956 ACATGGAGCGAGATCTTTGGTGAATACGCTGGAAAGCAGGTGCATGGCGATCTCTCC 1015
Qy 811 GACCATCAAGTCAACCCACTCATATTTTCTCTCTCTGTTGGTTCGTGATGTCAGATATTG 870
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Db 1016 GTTCTCCGCCCAACACACTGCTCTTCTCGCGGTGGTGGCGCTGGATACCAACTGATTT 1075  
Qy 871 CTGTGTCCTCTCATCGTATATTGTTGCAATGATAGAGATTTATATCTGAGAGGGAT 930  
Db 1076 CGGTGTGATCTGTGTGATCATGTTGCGCATAGTTGGTGAATTGTACAGGAACGGGCT 1135  
Qy 931 CAATGCTCAGTACAGCCATPATTGTCTATGCTCTACGTCCTCCAGTGAATGGTTATTTTG 990  
Db 1136 CCATGCTGCCACGGCTATATTGTGTATGCCGCCACCTCCCAATCAATGGATACTTTG 1195  
Qy 991 GAGGAAGTCTGTATGCTAGACAAGAGAGAGAGATGGATAAGCAGATGTTTATTTGGG 1050  
Db 1196 GAGGATCGCTCTATGCCGCCCTGGGTGGACGATGTGGATCCGACAGATGCTGGTGC 1255  
Qy 1051 CATTCCTTATCCAGCTATGGTGTGTGGCACGTGCTTCTTCATCAATTTTCATAGCCATTT 1110  
Db 1256 CTTTTCAGTTCCAGTGGCTGTGTGGGCACGCGCTTTCCTGATCAACTTCATTTGCCATTTG 1315  
Qy 1111 ATTACCATGCTTCAAGAGCCATTCCCTTTTGGAAACAATGGTGGCGGTTTGTTCATCTGTT 1170  
Db 1316 GATATCAGCGCTCGAGAGCCATTCCCTTCGGTACCATGGTGGGGCTCACTTGCATCTGCC 1375  
Qy 1171 TTTTGTGTTATCTCTCTCTAAATCTTGTGGTGAACAATCTTGGCCGAAATCTGTCAAGTC 1230  
Db 1376 TGTGTGTCATCTGCCCTTGACTCTGGTGGTACTGT----- 1412  
Qy 1231 AGCCCAACTTTCCTGTGTGTCATGCTGTGCTCGTCCCTATACCGGAGAAAATGGT 1290  
Db 1413 -----CAAGTGGT 1420  
Qy 1291 TCATGGAGCTCGGTTATTTGCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTTA 1350  
Db 1421 ACATGGAGCCACTGATTATTTGTGCTTCTTGGCGGTGCTTGGCCCTTTGGATCCATCTTCA 1480  
Qy 1351 TTGAAATGTAATTTCATCTTCAGCTCTTCTGGGCATATAAGATCTATTATGTCATGGCT 1410  
Db 1481 TTGAGATGTACTTCTATCTTCACTCCTTCTGGGCGTTACAAGATCTACTACGTCACGGCT 1540  
Qy 1411 TCATCATGCTGTGTGCTGTTATCTCTGTGCATGTGACTGTCTGTGTGACTATTGTGTGCA 1470  
Db 1541 TCATGTGTGCTGTTTTCAGCATCCCTGACTGTGGTCACCGTGTGCGTCACCATCGTGTGCA 1600  
Qy 1471 CATATTTTCTACTAAATGCAGAAATTAACCGTGGCAATGGACAAGTTTCTCTCTGCTG 1530  
Db 1601 CCTACTTCTGCTAATGCCGAAGATTACCGATGGCAGTGGAGAGTTCATGGCTGCGG 1660  
Qy 1531 CATCAACTGCAATCTATGTTTACATGTAATCTCTTTTACTATCTATTTTTCAAAAAAGA 1590  
Db 1661 GCTCCACGTCGATTTTACGCTGTACGCTATTCCTCTTATTTACTTCTTTTAAAAACAAAA 1720  
Qy 1591 TGTATGGCTTATTTTCAAAATCATTTTACTTTTGGATATATGGCGGTATTTAGCACAGCT 1650  
Db 1721 TGTTCGGTCTGTTCAAAACGGCTTCTACTTTTGGCTATATGGCACTCTTCAGCGCGCT 1780  
Qy 1651 TGGGGATATGTGTGGAGCGATTGGTTACATGGGAAACAAGTGCCTTTGTCCGAAAAATCT 1710  
Db 1781 TGGGCATTTATCTGGGCGCCCGTCCGCTATGTGGGCACGAACTCTCTGTGGCAAAATCT 1840  
Qy 1711 ATACTAATGTGAAATAGACTA 1732  
Db 1841 ATTCCAATGTGAAATAGACTA 1862

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Job time : 1560.15 secs

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: December 13, 2005, 14:42:16 ; Search time 203.85 Seconds  
(without alignments)  
3301.147 Million cell updates/sec

Title: US-09-319-724B-13  
Perfect score: 1800  
Sequence: 1 ccgcgcgcgtggtgctg.....gtggaactgcacagcaaaa 1800

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 3392430 seqs, 186927314 residues  
Total number of hits satisfying chosen parameters: 6784860

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications NA New.\*  
1: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq.\*  
2: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq.\*  
3: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq.\*  
4: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq.\*  
5: /cgn2\_6/ptodata/2/pubpna/ECT\_NEW\_PUB.seq.\*  
6: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq.\*  
7: /cgn2\_6/ptodata/2/pubpna/US11\_NEW\_PUB.seq.\*  
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9: /cgn2\_6/ptodata/2/pubpna/US11\_NEW\_PUB.seq.\*  
10: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	59.6	3.3	427	US-10-821-234-288	Sequence 288, Appl
2	44.6	2.5	579	US-10-750-185-1291	Sequence 1291, Appl
3	42.2	2.3	1596	US-10-750-185-29813	Sequence 29813, A
C 4	42	2.3	1431	US-10-750-185-33765	Sequence 33765, A
5	41.6	2.3	1512	US-11-139-195-3	Sequence 3, Appli
6	41.6	2.3	1971	US-11-139-195-1	Sequence 1, Appli
7	41.2	2.3	1695	US-11-074-176-97	Sequence 97, Appl
C 8	40.8	2.3	976	US-10-750-185-3571	Sequence 3571, A
C 9	38.8	2.2	3555	US-10-793-626-4208	Sequence 4208, Appl
C 10	38.6	2.1	1717	US-10-750-185-33666	Sequence 33666, A
C 11	38.6	2.1	6189	US-10-909-125-825	Sequence 825, Appl
12	38.6	2.1	169495	US-11-121-086-61	Sequence 61, Appl
C 13	38.4	2.1	4668	US-10-750-185-47661	Sequence 47661, A
14	37.6	2.1	1071	US-10-793-626-2053	Sequence 2053, Appl
C 15	37.6	2.1	2702	US-10-793-626-4433	Sequence 4433, Appl
C 16	37.6	2.1	3784	US-10-793-626-3931	Sequence 3931, Appl
17	37.6	2.1	3841	US-10-793-626-3497	Sequence 3497, Appl
C 18	37.6	2.1	3898	US-10-793-626-3962	Sequence 3962, Appl
C 19	37.6	2.1	1082144	US-11-117-187-211	Sequence 211, Appl
C 20	37.4	2.1	2106	US-10-793-626-709	Sequence 709, Appl
C 21	37.4	2.1	3177	US-10-793-626-3339	Sequence 3339, Appl
C 22	37.4	2.1	3828	US-10-793-626-3921	Sequence 3921, Appl
C 23	36.8	2.0	588	US-10-689-742-41	Sequence 41, Appl

24	36.8	2.0	134499	7	US-11-117-187-192	Sequence 192, Appl
25	36.8	2.0	156544	7	US-11-121-086-81	Sequence 81, Appl
26	36.8	2.0	166111	7	US-11-112-908-47	Sequence 47, Appl
27	36.4	2.0	1838	6	US-10-750-185-47394	Sequence 47394, A
28	36.4	2.0	197781	6	US-11-112-908-34	Sequence 34, Appl
C 29	36.2	2.0	1795	6	US-10-750-185-54055	Sequence 54055, A
C 30	36.2	2.0	7744	6	US-10-750-185-55059	Sequence 55059, A
31	36.2	2.0	9808	7	US-11-021-441-33	Sequence 33, Appl
C 32	36	2.0	600	6	US-10-750-185-2296	Sequence 2296, Appl
C 33	36	2.0	139054	7	US-11-121-086-96	Sequence 96, Appl
34	35.8	2.0	170995	7	US-11-121-086-35	Sequence 35, Appl
C 35	35.8	2.0	191343	7	US-11-112-908-53	Sequence 53, Appl
C 36	35.6	2.0	2038	6	US-10-750-185-51020	Sequence 51020, A
C 37	35.6	2.0	2954	6	US-10-793-626-3359	Sequence 3359, Appl
C 38	35.6	2.0	3198	6	US-10-793-626-3987	Sequence 3987, Appl
C 39	35.4	2.0	1033	6	US-10-750-185-26458	Sequence 26458, A
40	35.4	2.0	139054	7	US-11-121-086-96	Sequence 96, Appl
41	35.2	2.0	1718	6	US-10-750-185-57163	Sequence 57163, A
C 42	35.2	2.0	3402	6	US-10-793-626-3816	Sequence 3816, Appl
C 43	35.2	2.0	3668	6	US-10-793-626-3766	Sequence 3766, Appl
44	35.2	2.0	4100	6	US-10-793-626-4162	Sequence 4162, Appl
C 45	35	1.9	1262	6	US-10-750-185-32661	Sequence 32661, A

ALIGNMENTS

RESULT 1  
US-10-821-234-288  
; Sequence 288, Application US/10821234  
; Publication No. US20050255114A1  
; GENERAL INFORMATION:  
; APPLICANT: Labat, Ivan  
; APPLICANT: Stache-Crain, Birgit  
; APPLICANT: Andarmani, Susan  
; APPLICANT: Tang, Y. Tom  
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Presclampsia  
; FILE REFERENCE: 821A  
; CURRENT APPLICATION NUMBER: US/10/821,234  
; CURRENT FILING DATE: 2004-04-07  
; PRIOR APPLICATION NUMBER: US 60/462,047  
; PRIOR FILING DATE: 2003-04-07  
; NUMBER OF SEQ ID NOS: 1704  
; SOFTWARE: pt\_seq\_genes Version 1.0  
; SEQ ID NO 288  
; LENGTH: 427  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-821-234-288

Query Match	3.3%	Score 59.6;	DB 6;	Length 427;
Best Local Similarity	51.3%;	Pred. No. 2e-05;	Mismatches 154;	Indels 1;
Matches 163;	Conservative 0;			Gaps 1;
QY	1420	TGGTCTGGTATCTCTGTGCACTGTCTGTGTGCACTATTTGTGCACTATTTTC	1479	
DB	33	TGTGCTTATCATTTTGGTTATTAACCTGTCTGAAGCACTATACTCTTTCTATTTCC	92	
QY	1480	TACTAAATGCAAGATTACCGTGGCAATGGAACAAGTTTCTCTCTGTCATCACTG	1539	
DB	93	ACCTATGTGCAAGAGATTATCATTTGGCAATGCGTTCGTTCCGAGTGGCTTTACTG	152	
QY	1540	CAACTATGTTTACATGATTTCTTTTACTACTATTTTTCACAAACAAG-ATGATATGCG	1598	
DB	153	CAGTTTATTTCTTAATCTATGAGTACACTCTCTTTTCAAACTGGGAATCAGGGA	212	
QY	1599	TTATTTCAACATCATTTTACTTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGATA	1658	
DB	213	ACAGCAACACAATTTCTGCTACTTTGGTTATACCATGACAATGGTTTGGATCTCTTCTT	272	
QY	1659	ATGTGTGAGGAGTTGGTTACATGAGGAACAAGTGGCTTTTCCGAAAAATCTATATAAT	1718	
DB	273	TTTACAGGAACAATTTGCTTCTTTTGCATGCTTTTGGCTTGTGTACCAAAATATACAGTGTG	332	

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QY 1719 GTGAAAATTGACTAGAGA 1736
Db 333 CTGAAGCTTGACTGAAGA 350

RESULT 2
US-10-750-185-1291
; Sequence 1291, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR FILING DATE: 2002-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 1291
; LENGTH: 579
; TYPE: DNA
; ORGANISM: Bovine MBMT17749
US-10-750-185-1291

Query Match 2.5%; Score 44.6; DB 6; Length 579;
Best Local Similarity 54.6%; Pred. No. 0.11;
Matches 89; Conservative 0; Mismatches 74; Indels 0; Gaps 0;

QY 1242 CCTGTGCTGTCATGCTGCTCGCTCTATACCGGAGAAAATGGTTCATGGAGCCT 1301
Db 358 CCAGTTGGAACATCAGATCCACGTCAGATTCCTGAAACAGTCTTTCTACACAAAGCCA 417

QY 1302 GCGGTTATTGTTGCCGGGTGGAATTTACCTTTTGGTTCAATCTTTTGAATCTAT 1361
Db 418 TTACCTGGTATTATCATGGGAGGATTTGGCCCTTTGGTGTCATCTTTATACAGCTTTTC 477

QY 1362 TTCACTTCAGCTCTTCTTCGGGCATATAAGATCTATTATGTCT 1404
Db 478 TTCATCCTGAATAGTATTGTGTAAGCTGAGCACTAAGTCTCTCT 520

RESULT 3
US-10-750-185-29813
; Sequence 29813, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR FILING DATE: 2002-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 29813
; LENGTH: 1596
; TYPE: DNA
; ORGANISM: Bovine 19866881180936

US-10-750-185-29813
Query Match 2.3%; Score 42; DB 6; Length 1596;
Best Local Similarity 48.5%; Pred. No. 0.65;
Matches 145; Conservative 0; Mismatches 153; Indels 1; Gaps 1;

QY 296 TTTAGATAAAGAAAGAGAGATGCAATTTGTATATGCCATAAAAAATCATTACTGGTACCA 355
Db 26 TATATATGTATATTATTAATATCCATTTATATATATATTAATAATATCCATATATATAATA 85

QY 356 GATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGA 415
Db 86 TATTATATATATAATATACCTATATATATATTTATGGCTTATTTCATGTTGATGTATG 145

QY 416 AGATTACTATCTTTGGACCTATAAAAAACTTTGAAATAGGTTTAAATCGAAA-TCGAAATTG 474
Db 146 GCAGAAACCAACACACATATTGTTAAAGCAATATCTCCAAATTAATAAATAATTTTTTTA 205

QY 475 TTGATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCTCAATACTAAAAATCCAGA 534
Db 206 ATGTGAATACTCAAAAAACAAAAAGAAAGAAAAATCCCAAAATTTGTTATTATCTCTAA 265

QY 535 TGTCAATATTCAGTAAAAATGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAA 593
Db 266 AAGCAGAAATTTTAAACAAAAAAGATATGTTGTTCTTCTGGAATACAGTTTTTAAA 324

RESULT 4
US-10-750-185-33765/c
; Sequence 33765, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR FILING DATE: 2002-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 33765
; LENGTH: 1431
; TYPE: DNA
; ORGANISM: Bovine 19866881348699
US-10-750-185-33765

Query Match 2.3%; Score 42; DB 6; Length 1431;
Best Local Similarity 51.4%; Pred. No. 0.69;
Matches 148; Conservative 0; Mismatches 135; Indels 5; Gaps 2;

QY 345 TACTGGTACCAGATGTACATAGATGATTTTACCATAATGGGGTATTGTTGGTGAGG--CTG 402
Db 984 TATTAAATAATATTGAATATTGTTGATTTAGAAAATAGGGTATGATTTGTTGTAATTT 925

QY 403 ATGAAAATGGAGAAAGATTACTATCTTTGGACCTATAAAAAATGAAATAGGTTTAAATG 462
Db 924 TTAACATTTGACCATTTCACTATCTTTAGGAGTCCAAATTAATTGGAATTAATTTTAAAG 865

QY 463 GAAATCGAATTTGTTGATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCTCAATA 522
Db 864 TTAATTTGTAATTAATTTTAAACAAACTGGTTATTTCAGTTGTTGTAAGGAAACAA 805

QY 523 CTAAAAATCCAGATGTCTATATTCCAGTAAAAATGGAAGAAAGTCAGATGTGAAATTTGAAGATC 582
Db 804 TTCAGATAGGGTCCACCATTTTCAATACAT--ATAACTCTCTCATGAAAAAATATATTTA 748
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RESULT 6
US-11-139-195-1
; Sequence 1, Application US/11139195
; Publication No. US20050266470A1
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Millennium Pharmaceuticals, Inc.
; TITLE OF INVENTION: 25501. A Human Transferase Family Member
; TITLE OF INVENTION: and Uses Therefor
; FILE REFERENCE: MP101-088F1RNM
; CURRENT APPLICATION NUMBER: US/11/139,195
; CURRENT FILING DATE: 2005-05-27

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RESULT 7
US-11-074-176-97
; Sequence 97, Application US/11074176
; Publication No. US20050250135A1
; GENERAL INFORMATION:
; APPLICANT: Klaenhammer, Todd R.
; APPLICANT: Russell, William M.
; APPLICANT: Altermann, Eric
; APPLICANT: McAuliffe, Olivia
; APPLICANT: Peril, Andrea Azcarate
; TITLE OF INVENTION: Nucleic Acid Sequences Encoding
; TITLE OF INVENTION: Stress-Related Proteins and Uses Therefore
; FILE REFERENCE: 5051-694
; CURRENT APPLICATION NUMBER: US/11/074,176
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: 60/551,161
; PRIOR FILING DATE: 2004-03-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 97
; LENGTH: 1695
; TYPE: DNA
; ORGANISM: Lactobacillus acidophilus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1695)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)

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SOFTWARE: PatentIN version 3.1  
SEQ ID NO 33666  
LENGTH: 1717  
TYPE: DNA  
ORGANISM: Bovine 19866880846142  
US-10-750-185-33666

Query Match 2.1%; Score 38.6; DB 6; Length 1717;  
Best Local Similarity 52.9%; Pred. No. 5.1;  
Matches 83; Conservative 0; Mismatches 74; Indels 0; Gaps 0;  
QY 813 CCATCAAGTCACCCACTGATATTTCTCTCTGATGTTCTGGATGTCAGATATTTGCT 872  
DB 423 CCATGAGACACATCTTAAATTTCTCTGGGTGTCTCTGCTGCTGCTGCTGCTGCTGCT 364  
QY 873 GTGTCCTCATCTTATTATTGTCGAATGATAGAGATTTATATATCATGAGGGGATCA 932  
DB 363 ATGACCCCTGCTCTCTCTGACTGATTCATTTAATATTTACCTTCTTTATGGAACCA 304  
QY 933 ATGCTCAGTACAGCCATATTTCTCTATGCTGCTAGCT 969  
DB 303 ATGCTTAGACAGCCTATAGGACTGCGCAAGT 267

RESULT 11  
US-10-909-125-825

Sequence 825, Application US/10909125  
Publication No. US20050261218A1  
GENERAL INFORMATION:  
APPLICANT: Esau, Christine  
APPLICANT: Lollo, Bridget  
APPLICANT: Bennett, C. Frank  
APPLICANT: Freier, Susan M.  
APPLICANT: Griffey, Richard H.  
APPLICANT: Baker, Brenda F.  
APPLICANT: Vickers, Timothy  
APPLICANT: Marcusson, Eric G.  
APPLICANT: Koller, Eric  
APPLICANT: Swayze, Eric  
APPLICANT: Jain, Ravi  
APPLICANT: Bhat, Balkrishen  
APPLICANT: Peralta, Eigen  
TITLE OF INVENTION: Oligomeric Compounds And Compositions For Use In Modulation  
FILE REFERENCE: ISIS0080-100 (CORE0016US)  
CURRENT APPLICATION NUMBER: US/10/909,125  
PRIOR FILING DATE: 2004-07-30  
PRIOR APPLICATION NUMBER: US 60/492,056  
PRIOR FILING DATE: 2003-07-31  
PRIOR APPLICATION NUMBER: US 60/516,303  
PRIOR FILING DATE: 2003-10-31  
PRIOR APPLICATION NUMBER: US 60/531,596  
PRIOR FILING DATE: 2003-12-19  
PRIOR APPLICATION NUMBER: US 60/562,417  
PRIOR FILING DATE: 2004-04-14  
NUMBER OF SEQ ID NOS: 2184  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 825  
LENGTH: 6189  
TYPE: DNA  
ORGANISM: H. sapiens  
US-10-909-125-825

Query Match 2.1%; Score 38.6; DB 6; Length 6189;  
Best Local Similarity 47.3%; Pred. No. 9.2;  
Matches 116; Conservative 0; Mismatches 129; Indels 0; Gaps 0;  
QY 259 AAGATGATGATGTCAGCCACTTACTGCTGAATTTGATTAAGATAAGAGAGATG 318  
DB 2459 AAAAACCTGAGAGCGGATCTCAATTAAGAAAGGACATTGAGAGATGGAAGAAAA 2518  
QY 319 CATTTGTATGCCATAAAAAATATTACTGTGTACAGATGTACATAGATGATTTACCA 378

DB 2519 CCTTTGAAAAAGAAAAAGATAAAAAATGAGCATAGCATAAGTCAGAAAAAGACAAATTAGATC 2578  
QY 379 TATGGGGTATTGTTGGTGGAGCTGATGAAATGAGAGATTAATCTTTTGGACCTATA 438  
DB 2579 TTAGTGAATGTTGATATAAAATAAAGAAAGGACAAAGCTATATTTCGCATCACACAGAAA 2638  
QY 439 AAAAAGTTGAAATAGGTTTAAATGGAATCGAATTTGTTGATGTTTAATCTAACTAGTGAAG 498  
DB 2639 AATCCATAAAGAGGTGAGAGAGCAAAATACTGCTGCTATTATAAAAAAACTGACGACA 2698  
QY 499 GAAAG 503  
DB 2699 GAGAG 2703

## RESULT 12

US-11-121-086-61  
Sequence 61, Application US/11121086  
Publication No. US20050266459A1  
GENERAL INFORMATION:  
APPLICANT: POULSEN, TIM S.  
APPLICANT: NIELSEN, KIRSTEN V.  
TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES  
FILE REFERENCE: 09138.6000-00000  
CURRENT APPLICATION NUMBER: US/11/121.086  
CURRENT FILING DATE: 2005-05-04  
PRIOR APPLICATION NUMBER: 60/567,570  
PRIOR FILING DATE: 2004-05-04  
NUMBER OF SEQ ID NOS: 107  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 61  
LENGTH: 169495  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: modified\_base  
LOCATION: (70072)..(70171)  
OTHER INFORMATION: a, c, g, t, unknown or other  
FEATURE:  
NAME/KEY: modified\_base  
LOCATION: (139457)..(157244)  
OTHER INFORMATION: a, c, g, t, unknown or other  
US-11-121-086-61

Query Match 2.1%; Score 38.6; DB 7; Length 169495;  
Best Local Similarity 46.7%; Pred. No. 42;  
Matches 122; Conservative 0; Mismatches 139; Indels 0; Gaps 0;  
QY 224 TGAATTGGAATTTAGTGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTA 283  
DB 70363 TGGAGAGAAAAAGATGGTGAAGTTGGTAAATAATGGTGTGATGATGATGGTGA 70422  
QY 284 CTGTGAAATTGATTTAGATAAAGAAAAAGAGAGATGTCATTTGTATATGCCATAAAAAATCA 343  
DB 70423 GGATGAAGATGGTGTGATGACGATGATAGTGAAGAAAGACCAAGATGGTGGTGTGATGA 70482  
QY 344 TTACTGGTACCAGATGTACATAGATGATTTTACCAATATGGGGTATTGTTGGTGGCTGA 403  
DB 70483 AGATGATTGAAGAGTTAATGAAGATGATTATAATATGGTGAAGATGATGCGATGAGA 70542  
QY 404 TGAATAATGGAGAAGATTACTATCTTTGGACCTATAAAAAAACTTGAATAGGTTTAAATGG 463  
DB 70543 TGTAGTGAAGAGATAAGATGGTGAAGATGATGATGATGATGATGATGATGATGATGA 70602  
QY 464 AAATCGAATTGTCATGTTAA 484  
DB 70603 CGGTGAAGATGGTGTGATGATGA 70623

## RESULT 13

US-10-750-185-47661/c  
Sequence 47661, Application US/10750185  
Publication No. US20050260603A1



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: December 7, 2005, 12:30:31 ; Search time 37.4542 Seconds  
(without alignments)  
1271.452 Million cell updates/sec

Title: US-09-319-724B-14  
Perfect score: 3089  
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Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

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- 2: /cgn2\_6/ptodata/1/iaa/6 COMB.pep.\*
- 3: /cgn2\_6/ptodata/1/iaa/H COMB.pep.\*
- 4: /cgn2\_6/ptodata/1/iaa/PCRTUS COMB.pep.\*
- 5: /cgn2\_6/ptodata/1/iaa/RE COMB.pep.\*
- 6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3089	100.0	579	2	US-09-786-681A-4
2	3089	100.0	582	2	US-09-786-681A-2
3	1107	35.8	257	2	US-09-270-767-32308
4	950.5	30.8	625	2	US-08-959-004-10
5	843.5	27.3	663	2	US-08-959-004-5
6	843.5	27.3	676	2	US-09-949-016-9494
7	813	26.3	573	2	US-10-104-047-3669
8	694	22.5	667	2	US-08-959-004-11
9	628	20.3	133	2	US-09-270-767-44213
10	628	20.3	133	2	US-09-270-767-59636
11	613	19.8	111	2	US-09-513-999C-7579
12	580	18.8	218	2	US-09-270-767-46281
13	467	15.1	241	2	US-09-248-796A-20311
14	364	11.8	87	2	US-09-513-999C-7785
15	127	4.1	574	2	US-09-107-433-3877
16	127	4.1	605	2	US-09-583-110-4773
17	120.5	3.9	513	2	US-09-543-681A-8279
18	118.5	3.8	496	2	US-09-134-001C-3703
19	117.5	3.8	592	2	US-09-949-016-6953
20	117.5	3.8	609	2	US-09-949-016-8961
21	117.5	3.8	609	2	US-09-949-016-8962
22	115	3.7	502	2	US-09-328-352-6968
23	115	3.7	572	2	US-09-949-016-11237
24	115	3.7	572	2	US-09-949-016-11238
25	112.5	3.6	237	2	US-09-134-001C-3057
26	109	3.5	468	2	US-09-710-279-868
27	109	3.5	468	2	US-09-710-279-1618

ALIGNMENTS

RESULT 1

US-09-786-681A-4  
; Sequence 4, Application US/09786681A

; Patent No. 6692926

; GENERAL INFORMATION:

; APPLICANT: HIDAKA, Jun et al.

; TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING L

; FILE REFERENCE: 0020-4827P

; CURRENT APPLICATION NUMBER: US/09/786.681A

; CURRENT FILING DATE: 2001-01-24

; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: Patent in version 3.0

; SEQ ID NO 4

; LENGTH: 579

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-786-681A-4

Query Match 100.0%; Score 3089; DB 2; Length 579;

Best Local Similarity 100.0%; Pred. No. 2e-297;

Matches 576; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	AALMLLLLLLPRTRADEHEHTYQDKKEVVLMMNTVGPYHNRQETKYKPSLPCVGSKKSI	60
Db	4	AALMLLLLLLPRTRADEHEHTYQDKKEVVLMMNTVGPYHNRQETKYKPSLPCVGSKKSI	63
Qy	61	SHYHETIGEALQGVLEPFGSLDIKPKDDVMPATYCEIDLDKEKDAFYVAIKNHVYQMY	120
Db	64	SHYHETIGEALQGVLEPFGSLDIKPKDDVMPATYCEIDLDKEKDAFYVAIKNHVYQMY	123
Qy	121	IDDLPIWIGVEADENGEDYLLWYTKKLEIGFNGNRIVDVNLTSSEKVKLVPTNKIQMSY	180
Db	124	IDDLPIWIGVEADENGEDYLLWYTKKLEIGFNGNRIVDVNLTSSEKVKLVPTNKIQMSY	183
Qy	181	SVKWKSDVKPFEDPDKYLDPSFFQHRHWPFSINSPMMVIFLVGLVSMILMRTLURKDYA	240
Db	184	SVKWKSDVKPFEDPDKYLDPSFFQHRHWPFSINSPMMVIFLVGLVSMILMRTLURKDYA	243
Qy	241	RYSEKEEMDDMDRLDGEYGVKQVHGVDFRPSHPLIFSSLIIGSGCQIFAVSLIIVIAM	300
Db	244	RYSEKEEMDDMDRLDGEYGVKQVHGVDFRPSHPLIFSSLIIGSGCQIFAVSLIIVIAM	303
Qy	301	IEDLYTERGSMSTAI FVYAATSPVNGYFGSLYARQGRRWIKOMFTGAFILPAMVCGT	360
Db	304	IEDLYTERGSMSTAI FVYAATSPVNGYFGSLYARQGRRWIKOMFTGAFILPAMVCGT	363
Qy	361	AFFINFTAIYHAGRAIPFGTMVAVCCICFPVILPLNLVGTILGRNLISGQPNFPCRVNAV	420
Db	364	AFFINFTAIYHAGRAIPFGTMVAVCCICFPVILPLNLVGTILGRNLISGQPNFPCRVNAV	423

QY 421 PRPIPEKKWFMEPAVIVCLGILPGSGIFIEWYFIPTSFWAYKIYVYVGFMMVLVLICI 480  
DB 424 PRPIPEKKWFMEPAVIVCLGILPGSGIFIEWYFIPTSFWAYKIYVYVGFMMVLVLICI 483  
QY 481 VTVCVTIVCTVFLNADRYQWTSFSLSAASTAIYVVMYSFYFFPKTKMYGLFQTSFYF 540  
DB 484 VTVCVTIVCTVFLNADRYQWTSFSLSAASTAIYVVMYSFYFFPKTKMYGLFQTSFYF 543  
QY 541 GYMAVFSTALGIMCGAIGMGTSFAVRKIYTNVKID 576  
DB 544 GYMAVFSTALGIMCGAIGMGTSFAVRKIYTNVKID 579

RESULT 2  
US-09-786-681A-2  
; Sequence 2, Application US/09786681A  
; Patent No. 6692926  
; GENERAL INFORMATION:  
; APPLICANT: HIDAKA, Jun et al.  
; TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING I  
; FILE REFERENCE: 0020-4827P  
; CURRENT APPLICATION NUMBER: US/09/786,681A  
; CURRENT FILING DATE: 2001-01-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2  
; LENGTH: 582  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-786-681A-2

Query Match 100.0%; Score 3089; DB 2; Length 582;  
Best Local Similarity 100.0%; Pred. No. 2e-297;  
Matches 576; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AALMLLLLLLPRTRADEHEHTYQDKEEVLLMNTVGPYHNQETKYKPSLPFCVGSKSI 60  
DB 7 AALMLLLLLLPRTRADEHEHTYQDKEEVLLMNTVGPYHNQETKYKPSLPFCVGSKSI 66  
QY 61 SHYHETLGEALQGVLEPSGLDIKPKDDVPATYCEIDLDEKRDADFVYAIKNHYQMY 120  
DB 67 SHYHETLGEALQGVLEPSGLDIKPKDDVPATYCEIDLDEKRDADFVYAIKNHYQMY 126  
QY 121 IDDLPIWGIVGEADENGEDYLLWYTKYLEIGFNGNRIVDNLTSEGKVKLVPTNKIQMSY 180  
DB 127 IDDLPIWGIVGEADENGEDYLLWYTKYLEIGFNGNRIVDNLTSEGKVKLVPTNKIQMSY 186  
QY 181 SVKWKSDVKFEDRFDKYLDPSPFQHRHWFISFNPMVIFLVGLVSMILMRTLKDYA 240  
DB 187 SVKWKSDVKFEDRFDKYLDPSPFQHRHWFISFNPMVIFLVGLVSMILMRTLKDYA 246  
QY 241 RYSKEEEMDDMDRLDGEYQKQVHGDVFRPSSHPLIFSSLIIGSGCOIFAVSLIIVIAM 300  
DB 247 RYSKEEEMDDMDRLDGEYQKQVHGDVFRPSSHPLIFSSLIIGSGCOIFAVSLIIVIAM 306  
QY 301 IEDLYTERGSMSTAIYVYAATSPVNGYFGSLYARQGGRRWIKOMFIGAFLIPAMVCGT 360  
DB 307 IEDLYTERGSMSTAIYVYAATSPVNGYFGSLYARQGGRRWIKOMFIGAFLIPAMVCGT 366  
QY 361 AFFINFIAIYHASRAIPFGTMVAVCCICFFVILPLNLVGTILGRNLSGQPNFPCRYNAV 420  
DB 367 AFFINFIAIYHASRAIPFGTMVAVCCICFFVILPLNLVGTILGRNLSGQPNFPCRYNAV 426  
QY 421 PRPIPEKKWFMEPAVIVCLGILPGSGIFIEWYFIPTSFWAYKIYVYVGFMMVLVLICI 480  
DB 427 PRPIPEKKWFMEPAVIVCLGILPGSGIFIEWYFIPTSFWAYKIYVYVGFMMVLVLICI 486  
QY 481 VTVCVTIVCTVFLNADRYQWTSFSLSAASTAIYVVMYSFYFFPKTKMYGLFQTSFYF 540  
DB 487 VTVCVTIVCTVFLNADRYQWTSFSLSAASTAIYVVMYSFYFFPKTKMYGLFQTSFYF 546

QY 541 GYMAVFSTALGIMCGAIGMGTSFAVRKIYTNVKID 576  
DB 547 GYMAVFSTALGIMCGAIGMGTSFAVRKIYTNVKID 582

RESULT 3  
US-09-270-767-32308  
; Sequence 32308, Application US/09270767  
; Patent No. 6703491  
; GENERAL INFORMATION:  
; APPLICANT: Homburger et al.  
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
; FILE REFERENCE: File Reference: 7326-094  
; CURRENT APPLICATION NUMBER: US/09/270,767  
; CURRENT FILING DATE: 1999-03-17  
; NUMBER OF SEQ ID NOS: 62517  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 32308  
; LENGTH: 257  
; TYPE: PRT  
; ORGANISM: Drosophila melanogaster  
US-09-270-767-32308

Query Match 35.8%; Score 1107; DB 2; Length 257;  
Best Local Similarity 78.2%; Pred. No. 2.4e-101;  
Matches 201; Conservative 27; Mismatches 29; Indels 0; Gaps 0;

QY 180 YSVKWKSDVKFEDRFDKYLDPSPFQHRHWFISFNPMVIFLVGLVSMILMRTLKDY 239  
DB 1 YEVNWKPSKVEFKNRFDKYLDPSPFQHRHWFISFNPMVIFLVGLVSMILMRTLKDY 60  
QY 240 ARYSKEEEMDDMDRLDGEYQKQVHGDVFRPSSHPLIFSSLIIGSGCOIFAVSLIIVIA 299  
DB 61 ARYSKEEEMDDMDRLDGEYQKQVHGDVFRPSSHPLIFSSLIIGSGCOIFAVSLIIVIA 120  
QY 300 MIEDLYTERGSMSTAIYVYAATSPVNGYFGSLYARQGGRRWIKOMFIGAFLIPAMVCG 359  
DB 121 IGVGLYTERGSMSTAIYVYAATSPVNGYFGSLYARQGGRRWIKOMFIGAFLIPAMVCG 180  
QY 360 TAPFINFIAIYHASRAIPFGTMVAVCCICFFVILPLNLVGTILGRNLSGQPNFPCRYNA 419  
DB 181 TAPFINFIAIYHASRAIPFGTMVAVCCICFFVILPLNLVGTILGRNLSGQPNFPCRYNA 240  
QY 420 VPRPIPEKKWFMEPAVI 436  
DB 241 VPRPIPEKKWFMEPLII 257

RESULT 4  
US-08-959-004-10  
; Sequence 10, Application US/08959004  
; Patent No. 6197543  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Yue, Henry  
; APPLICANT: Corley, Neil C.  
; APPLICANT: Lal, Preeti  
; APPLICANT: Shah, Purvi  
; APPLICANT: Kaser, Matthew  
; TITLE OF INVENTION: HUMAN VESICLE MEMBRANE PROTEIN-LIKE  
; NUMBER OF SEQUENCES: 11  
; CORRESPONDENCE ADDRESS:  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS



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Db 272 SVSFEEDDKIRWASRDYIILSMPTH- IQWFSIMNSLVIVFLSGVMAMIMLTLHKDI 330
Qy 240 ARYSKEEEMDDMDRLDGEYGMKQVHGDVFRPSPHPLIFSSLSIGSGCOIFAVSLIIVA 299
Db 331 ARYN--QMDSTE-DAQEEFGKLVHGDIFRPRKGMLLSVFLSGTQILIMTFTVLPFA 386
Qy 300 MIEDLY-TERGSMSTAIIFYAATSPVNGYFGGSLYARQGGRRWIKOMFICAFILPAMVC 358
Db 387 CLGLFSPANRGAALMTCAVLLVLLGTAGYVAARFYKSGGKWKTNVLLTSFLCPGIVF 446
Qy 359 GTAFFINFIAIYHASRAIPFGTMVAVCCIFCVLPLNLVLTGLNLSGQNPFCRVN 418
Db 447 ADFIMNLLWGESSAAIPGTLVAILALWFCISVPLTFIGAYFGPKNAIEH-PVRTN 505
Qy 419 AVPRPIPEKKWMEPAVIVCLGILPFGSIFIEFYFTSWAYKIYVYGFMMVLVLIL 478
Db 506 QIPROIPEQSYTKPLPGIIMGILPFGCIFQLFILNSIWSHQMYMGFLFLVFIIL 565
Qy 479 CIVTVCTIVCTYLLNAEDYRWQTSFLSAASTAIYVYMYSFYFFKTKMYGLFOTSF 538
Db 566 VITCSEATILLCYFHLCAEDYHWQRSFSLTSGFTAVYFLIYAVHYFFSKLQITGTASTIL 625
Qy 539 YFGYMAVFSFALGIMCGAIGYMGTSAPVRKIYTNVKID 576
Db 626 YFGYTMIMVLIFLFTGTIGFFACFWFVKIYSVVKVD 663

RESULT 6
US-09-949-016-9494
; Sequence 9494, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9494
; LENGTH: 676
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9494

Query Match 27.3%; Score 843.5; DB 2; Length 676;
Best Local Similarity 31.2%; Pred. No. 1.4e-74;
Matches 199; Conservative 120; Mismatches 234; Indels 85; Gaps 16;

Qy 9 LLPTRADEHHTYQDKKEVVLMNTVGPYHNQETKYFSLPFCVSGSKSISHYHETLG 68
Db 54 LAPVNFDEEKKSDCKAEITELFVNRLDSVES-VLPVEYTAFDFOQASEG--KRPSENLG 110
Qy 69 EALQGVLEFSGLDIKFKDD-----VMPATY-CEIDLDKERDAFYAIKNHWYQMYID 122
Db 111 QVLFGRIEPSYKFTFNKKTCKLVCTKYHTEAKEDKQKLEFLKKSMLNLYQHIIWID 170
Qy 123 DLPI-W-----GTVGEADENGED-YYLWT----- 144
Db 171 NMPVTWYDYVEDGQFCNPGPICCYITDKGHAKDACVISSDPHERDTFTFIHNVHDIKY 230
Qy 145 YKKLEIGFNGNRIV-----DYNLTSEKGVKLVNPTNKIQMSY 180
Db 231 YHVVETGSMGARLVAALKLEPKSFKHTHIDKPCDGGPPMDISNKASGEI-----KIATY 284
Qy 181 SVKWKKSD-VKFDREPKYLDPSFFQHRHWFHSIFNSFMVIVFLVGLVSLMILMRLTKDY 239
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Db 285 SVSFEEDDKIRWASRDYIILSMPTH- IQWFSIMNSLVIVFLSGVMAMIMLTLHKDI 343
Qy 240 ARYSKEEEMDDMDRLDGEYGMKQVHGDVFRPSPHPLIFSSLSIGSGCOIFAVSLIIVA 299
Db 344 ARYN--QMDSTE-DAQEEFGKLVHGDIFRPRKGMLLSVFLSGTQILIMTFTVLPFA 399
Qy 300 MIEDLY-TERGSMSTAIIFYAATSPVNGYFGGSLYARQGGRRWIKOMFICAFILPAMVC 358
Db 400 CLGLFSPANRGAALMTCAVLLVLLGTAGYVAARFYKSGGKWKTNVLLTSFLCPGIVF 459
Qy 359 GTAFFINFIAIYHASRAIPFGTMVAVCCIFCVLPLNLVLTGLNLSGQNPFCRVN 418
Db 460 ADFIMNLLWGESSAAIPGTLVAILALWFCISVPLTFIGAYFGPKNAIEH-PVRTN 518
Qy 419 AVPRPIPEKKWMEPAVIVCLGILPFGSIFIEFYFTSWAYKIYVYGFMMVLVLIL 478
Db 519 QIPROIPEQSYTKPLPGIIMGILPFGCIFQLFILNSIWSHQMYMGFLFLVFIIL 578
Qy 479 CIVTVCTIVCTYLLNAEDYRWQTSFLSAASTAIYVYMYSFYFFKTKMYGLFOTSF 538
Db 579 VITCSEATILLCYFHLCAEDYHWQRSFSLTSGFTAVYFLIYAVHYFFSKLQITGTASTIL 638
Qy 539 YFGYMAVFSFALGIMCGAIGYMGTSAPVRKIYTNVKID 576
Db 639 YFGYTMIMVLIFLFTGTIGFFACFWFVKIYSVVKVD 676

RESULT 7
US-10-104-047-3669
; Sequence 3669, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: NO. 6943241el full length cDNA
; FILE REFERENCE: HI-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3669
; LENGTH: 573
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3669

Query Match 26.3%; Score 813; DB 2; Length 573;
Best Local Similarity 31.6%; Pred. No. 1.1e-71;
Matches 188; Conservative 100; Mismatches 204; Indels 102; Gaps 13;

Qy 45 YKYFSLPFCVSGSKSISHYHETLGEALQGVLEFSGLDIKFKDD-----VMPATY----- 94
Db 20 YEYTAFDFOQASEG--KRPSENLGQVLFGRIEPSYKFTFNKKTCKLVCTKYHTEKA 77
Qy 95 -----CEIDLDKERDAFYAIKNHWYQMYIDDLPIWG 128
Db 78 EDQRCFNPGPICCYITDKGRAKDACVISSDPHERDTFY--IFNVHDIKY----- 127
Qy 129 IVGEADENGEDYYLWTYKKLEIGFNGNRIV-----DYNLTS 164
Db 128 -----YHVVETGSMGARLVAALKLEPKSFKHTHIDKPCDGGPPMDISNKA 171
Qy 165 EGKVKLVNPTNKIQMSYSVKWKSD-VKFDREPKYLDPSFFQHRHWFHSIFNSFMVIVFL 223
Db 172 SGEI-----KIATYTSVSFEEDDKIRWASRDYIILSMPTH- IQWFSIMNSLVIVFL 224
Qy 224 VGLVSLMILMRLTKDYKARYSKKEEEMDDMDRLDGEYGMKQVHGDVFRPSPHPLIFSSLSIG 283
Db 225 SGMVAMIMLRTLHKDIARYN---QMDSTE-DAQEEFGKLVHGDIFRPRKGMLLSVFLG 280
Qy 284 SGCOIFAVSLIIVIAMIEDLY-TERGSMSTAIIFYAATSPVNGYFGGSLYARQGGRRW 342
```



Db 281 SGTQILMTFTVTLFFACLGFLSPANKGALMTCAVWLVLGTPAGYVAARFYKSGGEKW 340  
QY 343 IKQMFAGRLIIPAMVCGTAPFNFATAIYHSAIRAPFGTMVAVCCIFVILPLNLVGTI 402  
Db 341 KTNVLTLSPCLPGIIFADPFIMNLILWGGSSAAIPFGTLVAILALMFCISVPLTFIGAY 400  
QY 403 LGRNLGSGQNFPCRNAVPRPIPEKKWFMEPAVIVCLGGILPFGSIFTEMFIFTSFWAY 462  
Db 401 FGFKNAIEH-FVRINOIPIQIPEOSFYTKPLPGIIMGILPFGCIFIQLFILNSIWSH 459  
QY 463 KIYVYVGFMMVLVILCIVTCVTVFLLNABDYRWQWTSFLSAASTAIYVVMYSFY 522  
Db 460 QMYMFGFLFLVFIILVITCSBATILLCYFHLCAEDYHQMRSFLTSGFTAVYFLIYAVH 519  
QY 523 YVFEKTKMYGLFQTSFYFGYMAVFSALGIMCAIGYMGTSAFVRKIYTNVKID 576  
Db 520 YFFSKLQITGASAILYFGYTMIMVLIFLFTGTIGFVCFVFTVKIYSVVKVD 573

## RESULT 8

US-08-959-004-11  
; Sequence 11, Application US/08959004  
; Patent No. 6197543  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Yue, Henry  
; APPLICANT: Corley, Neil C.  
; APPLICANT: Lal, Preeti  
; APPLICANT: Shah, Purvi  
; APPLICANT: Kaser, Matthew  
; TITLE OF INVENTION: HUMAN VESICLE MEMBRANE PROTEIN-LIKE  
; TITLE OF INVENTION: PROTEINS  
; NUMBER OF SEQUENCES: 11  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/959,004  
; FILING DATE: Herewith  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0414 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-855-0555  
; TELEFAX: 650-845-4166  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 667 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 2131246

Query Match 22.5%; Score 694; DB 2; Length 667;

Best Local Similarity 27.0%; Pred. No. 9e-60;  
Matches 175; Conservative 116; Mismatches 254; Indels 102; Gaps 14;  
QY 21 TYQKEEVLLMMNTVGP---YHNROE-----TYKPSLDFCVGSKKISHY 63  
Db 32 TYRENDNITPLVLNHLTSPMNYQHKDEGNNYSGDKENFLSYDYIYNNRPHFCQPEKVRKQ 91  
QY 64 HETLGEALQGVLEBFSGLDIKFKDDVMPATYCEIDLKEDKDAFYAIKNHWYQMYIDD 123  
Db 92 PESLGSVIFGRIYNSPQLANLQKECESLCKTVIPGDDAKFNKLNKNGFFQNWLDG 151  
QY 124 LP-----TWGIVGEADENGEDYYLWT-----YK 146  
Db 152 LPAAREVVDGRTKTSFYGAGENLGFVQVTQGTDEATPKGAETTDKDOVELETRNDRNVK 211  
QY 147 KLEIGFNGNR---IVDVNLTSEGVKLV-----PNT----- 174  
Db 212 TYELPYFANHPDIMEYHDSRGYRNVVGVIVPEVSIKRSPGTCETGTSPLMLDEGNDN 271  
QY 175 KIOMSYVKKKSDVKPEDRFDKYL--DPSFFQHRHWHFISFNMFVILVGLVSMIL 231  
Db 272 EYFTYSVKFNESATSWATRWDKYLHVYDPS-----IQWFLINFSLVVLLSSVVIHSL 326  
QY 232 MRTLKDYARYSKBEEMDDMDRLDGEYQKQVHGDVFRPSHPLIFSLIGSGQIFAV 291  
Db 327 LRLAKSDFARYN-ELNLDD--DFQEDSGWKLNHGVDVFRSPQSLLTSLVSGVQLFLM 382  
QY 292 SLIIVIVAMIEDLY-TERGSMSTAIIFYAATSPVNGYFGGSLYARQGRWIKOMFTGA 350  
Db 383 VTCSIFFAALGFLSPSSRGSLATVMFILDYLFVFGSYTSMGIYKFFNPGYWKANLILTP 442  
QY 351 FLIPAMVCGTAFFINFIAIYVHASRAIPFGTMVAVCCIFVILPLNLVGTILGNLSGQ 410  
Db 443 LLVPGAILLIILINFLFMFVHSSGVIPASTLFPWFVLFPSLPSAGSLIARKCHW 502  
QY 411 PNFCRVNAVPRPIPEKKWFMEPAVIVCLGGILPFGSIFEMIFFTSFWAYKIYVYVGF 470  
Db 503 DEHPTKTNQIARQIPFPQWYKLTIPATLIAGIFPFGSIAVELYFIYTLWFKIYFMFGF 562  
QY 471 MMLVLVILCIVTCVTVFLLNABDYRWQWTSF-LSAASTAIYVVMYSFYFFFTK 529  
Db 563 LFFSFLLLTLTSSLLVITLITVHSLCLENKQWGRFIIIGGAGCALYFIHSI--LFTKPK 620  
QY 530 MYGLFQTSFYFGYMAVFSALGIMCAIGYMGTSAFVRKIYTNVKID 576  
Db 621 LGGTTIVLYVGYSSVISLLCLVTGSLGFISSMLFVRKIYSSIKVD 667

RESULT 9  
US-09-270-767-44213  
; Sequence 44213, Application US/09270767  
; Patent No. 6703491  
; GENERAL INFORMATION:  
; APPLICANT: Homburger et al.  
; TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*  
; FILE REFERENCE: File Reference: 7326-094  
; CURRENT APPLICATION NUMBER: US/09/270,767  
; CURRENT FILING DATE: 1999-03-17  
; NUMBER OF SEQ ID NOS: 62517  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 44213  
; LENGTH: 133  
; TYPE: PRT  
; ORGANISM: *Drosophila melanogaster*  
US-09-270-767-44213

Query Match 20.3%; Score 628; DB 2; Length 133;  
Best Local Similarity 83.5%; Pred. No. 3e-54;  
Matches 111; Conservative 14; Mismatches 8; Indels 0; Gaps 0;  
QY 444 PFSGIFEMIFFTSFWAYKIYVYVGMMLVLVILCIVTCVTVFLLNABDYRWQW 503  
Db 1 PFSGIFEMIFFTSFWAYKIYVYVGMMLVFSILTIVTVCTVTVFLLNABDYRWQW 60



398	Qy	LVTGTLGRNL	SQP--NPPCRVNAV	PRIPKKKWFMEPA	NAVIVCLGGILP	PGSGTPIEW	MYFI	455
		: : :	: : :	: : :	: : :	: : :	: : :	
65	Db	VGSI	LIASN---RPLLS	VPVR	TNQIPRO	IQTPQ	PWYLS	121
		: : :	: : :	: : :	: : :	: : :	: : :	
456	Qy	FTSF	WAYK	YVYV	GFPM	LV	VL	515
		: : :	: : :	: : :	: : :	: : :	: : :	
122	Db	YSS	IFW	NK	LYF	W	GF	181
		: : :	: : :	: : :	: : :	: : :	: : :	
516	Qy	VMY	S	Y	P	P	P	572
		: : :	: : :	: : :	: : :	: : :	: : :	
182	Db	VF	THS---	FF	LT	G	G	237
		: : :	: : :	: : :	: : :	: : :	: : :	
573	Qy	VK	ID	576				
		: : :	: : :					
238	Db	IK	ID	241				
		: : :	: : :					

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RESULT 14
US 09-513-999C-7785
; Sequence 7785; Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.

```

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Query Match      11.8%; Score 364; DB 2; Length 87;
Best Local Similarity 91.1%; Pred. No. 2.4e-28;
Matches 72; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY    251  MRDLGDEYGWKQVGHGVFRPSSHPLIFSSLIIGSCCQIFA VSLVIIVIAMIEDLYTERGS 310
      |||||
Db     3   MRDLGDEYGWKQVGHGVFRPSSHPLIFSSLIIGSCCQIFA VSLVIIVIAMIEXYTERGS 62
      |||||

QY    311  MLSTAFVYAATSPVNCYF 329
      |||||
Db     63  MLSTAFVYAAXXPSEWLF 81
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RESULT 15  
US-09-107-433-3877  
; Sequence 3877, Application US/09107433  
; Patent No. 6800744

```

1 GENERAL INFORMATION:
2 APPLICANT: Lynn A Doucette-Stamm and David Bush
3 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
4 SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE
5 THERAPEUTICS
6
7 NUMBER OF SEQUENCES: 5206
8 CORRESPONDENCE ADDRESS:
9 ADDRESSEE: GENOME THERAPEUTICS CORPORATION
10 STREET: 100 Beaver Street
11 CITY: Waltham
12 STATE: Massachusetts
13 COUNTRY: USA
14 ZIP: 02154
15
16 COMPUTER READABLE FORM:
17 MEDIUM TYPE: CD/ROM ISO9660
18 COMPUTER: <Unknown>
19 OPERATING SYSTEM: <Unknown>
20 SOFTWARE: <Unknown>
21
22 CURRENT APPLICATION DATA:
23 APPLICATION NUMBER: US/09/107,433
24 FILING DATE: 30-Jun-1998
25
26 PRIOR APPLICATION DATA:
27 APPLICATION NUMBER: 60/ 085131
28 FILING DATE: May 12, 1998
29 APPLICATION NUMBER: 60/051553
30 FILING DATE: July 2, 1997
31
32 ATTORNEY/AGENT INFORMATION:
33 NAME: Ariniello, Pamela Deneke
34 REGISTRATION NUMBER: 40,489
35 REFERENCE/DOCKET NUMBER: GTC-011
36
37 TELECOMMUNICATION INFORMATION:
38 TELEPHONE: (781)893-5007
39 TELEFAX: (781)893-8277
40
41 INFORMATION FOR SEQ ID NO: 3877:
42 SEQUENCE CHARACTERISTICS:
43 LENGTH: 574 amino acids
44 TYPE: amino acid
45 TOPOLOGY: linear
46
47 MOLECULE TYPE: protein
48 HYPOTHETICAL: YES
49 ORIGINAL SOURCE:
50 ORGANISM: Streptococcus pneumoniae
51 FEATURE:
52 NAME/KEY: misc feature
53 LOCATION: (B) LOCATION 1...574
54 SEQUENCE DESCRIPTION: SEQ ID NO: 3877:
55
56 US-09-107-433-3877

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Query Match	4.1%	Score 127;	DB 2;	Length 574;
Best Local Similarity	19.8%;	Pred. No. 0.0013;		
Matches	73;	Conservative 60;	Mismatches 117;	Indels 118; Gaps 17;
Qy	203	FFOHRTHWSIFNSFMVVFVLGVLSMILMRTLRKDYARYSKSEEMDDMRDLGDEYG--	260	
Db	33	FFRR-----FYRIPPPVMVLVMPFPFLVRQDYV-----AGTGGQIASV 74		
Qy	261	-----WKOHGHDVFRPSSHPLIFSSLGSGCQIFAVSLIIVIAMIEDLYTERGSMLS 313		
Db	75	LGFTWTFYELLTCGSYESQFPHPLFVHNWSLAVEVHYIILWGLAVWFL-STHAKSNCQLK 133		
Qy	314	TAIFVVAATSPVNGYFGGSLYARQGGRRWIKOMFIGAFILPAMVCGTAFINFIAYIYHA 373		
Db	134	GMVFLLSAVAFLISFF-----SMFIGSFLVTSY--SSVYFSSLTHVY--- 173		
Qy	374	SRAIFP--GTWAVCCICFFVILPLNLVG-----TILGRNLSGQNPFCRVNVPRPIDEK 427		
Db	174	-----PFPLGSMLA-----TIVGVROTTSLVKQL-----DK 199		
Qy	428	KWEMEPAVICVLGSLIPFGSIRPIEMFYI-PTSFWAYKIYVYVGMVLVLVILCIVTCV 486		
Db	200	IWLDRKTVLVFVGGG---FGFLVLUTTFVKETYFYAYLI-----GFLLASLAALMILAA-- 250		
Qy	487	IVCTYFLLNAEDYRWQ---WTSPLSAASTAIYVVMYSFYVYFFKTK-----MY 531		

```
Db      251      :||: : : | |||: | ||: : ||: : ||: | :  
-----RVLHEKHHIQEPKIIISFLADTSYAVYLFHWPFIIFSQTSNLLAVLLTLC SY 305  
Qy      532      GLFQTSFY 539  
        |  
        |||  
Db      306      GFASLSFY 313
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Search completed: December 7, 2005, 12:44:27  
Job time : 38.4542 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: December 7, 2005, 12:43:07 ; Search time 126.55 seconds  
(without alignments)  
1901.779 Million cell updates/sec

Title: US-09-319-724B-14  
Perfect score: 3089  
Sequence: 1 AALWLLLLLPRTRADEHEH.....IGYMTSAFVRKIYTNVKID 576

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA Main:  
1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/US11\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3089	100.0	579	US-10-755-466-4	Sequence 4, Appli
2	3089	100.0	582	US-10-755-466-2	Sequence 2, Appli
3	2916	94.4	545	US-09-374-046A-26	Sequence 26, Appl
4	2916	94.4	545	US-10-616-263-26	Sequence 26, Appl
5	2487	80.5	586	US-10-287-436A-620	Sequence 620, App
6	2222.5	71.9	567	US-11-097-143-22278	Sequence 22278, A
7	2187	70.8	530	US-10-205-219-121	Sequence 121, App
8	1744.5	56.5	596	US-10-425-115-325471	Sequence 325471,
9	1744	56.5	617	US-10-437-963-141888	Sequence 141888,
10	1738.5	56.3	594	US-10-767-701-44284	Sequence 44284, A
11	1736	56.2	595	US-10-425-115-325582	Sequence 325582,
12	1716	55.6	596	US-10-437-963-116913	Sequence 116913,
13	1712	55.4	595	US-10-739-930-9909	Sequence 9909, Ap
14	1636.5	53.0	576	US-10-425-114-66140	Sequence 66140, A
15	1635.5	52.9	552	US-10-425-115-286624	Sequence 286624,
16	1430.5	46.3	500	US-10-425-115-206340	Sequence 206340,
17	1313	42.5	424	US-10-437-963-103141	Sequence 103141,
18	1153.5	37.3	592	US-10-424-599-174369	Sequence 174369,
19	1143	37.0	692	US-10-425-115-202293	Sequence 202293,
20	1142	37.0	627	US-10-425-114-42573	Sequence 42573, A
21	1129	36.5	623	US-10-425-114-62405	Sequence 62405, A
22	1128	36.5	624	US-10-425-114-45661	Sequence 45661, A
23	1128	36.5	647	US-10-424-599-204944	Sequence 204944,
24	1126.5	36.5	595	US-10-767-701-45514	Sequence 45514, A
25	1125.5	36.4	589	US-10-425-115-359244	Sequence 359244,
26	1115	36.1	594	US-10-739-930-11084	Sequence 11084, A
27	1115	36.1	645	US-10-739-930-11074	Sequence 11074, A

ALIGNMENTS

RESULT 1

US-10-755-466-4  
; Sequence 4, Application US/10755466  
; Publication No. US20040265854A1  
; GENERAL INFORMATION:  
; APPLICANT: HIDAKA, Jun et al.  
; TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING I  
; FILE OF INVENTION: BINDING ACTIVITIES, AND THEIR USES  
; FILE REFERENCE: 0020-4827P  
; CURRENT APPLICATION NUMBER: US/10/755,466  
; CURRENT FILING DATE: 2004-01-13  
; PRIOR APPLICATION NUMBER: US/09/786,681  
; PRIOR FILING DATE: 2001-04-30  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4  
; LENGTH: 579  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-755-466-4

Query Match	100.0%	Score 3089;	DB 5;	Length 579;
Best Local Similarity	100.0%	Pred. No. 6.6e-275;	Mismatches 0;	Indels 0; Gaps 0;
Matches 576;	Conservative 0;			
Qy	1	AALWLLLLLPRTRADEHEHTYQDKEEVVLMWNTVGPYHNRQETKYFSLPFCVGSKSI	60	
Db	4	AALWLLLLLPRTRADEHEHTYQDKEEVVLMWNTVGPYHNRQETKYFSLPFCVGSKSI	63	
Qy	61	SHYHETLGEALQGVLEFSGLDIKPKDDVPATYCEIDLDEKRDFAFYAIKNHYYQMY	120	
Db	64	SHYHETLGEALQGVLEFSGLDIKPKDDVPATYCEIDLDEKRDFAFYAIKNHYYQMY	123	
Qy	121	IDDLPIWGIVGEADENGEDYLVYTKKLEIFGNGNRIVDVNLTSSEKVKLVPTNKIOMSY	180	
Db	124	IDDLPIWGIVGEADENGEDYLVYTKKLEIFGNGNRIVDVNLTSSEKVKLVPTNKIOMSY	183	
Qy	181	SVKKKSDVKEDDFDKYLDPSFFQHRTHWFSIFNFSFMVIFLVGLVSMILMRTLKDYA	240	
Db	184	SVKKKSDVKEDDFDKYLDPSFFQHRTHWFSIFNFSFMVIFLVGLVSMILMRTLKDYA	243	
Qy	241	RYSKEEEMDDMDRLDGBYGWKQVHGDVFRPSSHPLIFSSLIGSGCQIFAVSLIIVAM	300	
Db	244	RYSKEEEMDDMDRLDGBYGWKQVHGDVFRPSSHPLIFSSLIGSGCQIFAVSLIIVAM	303	
Qy	301	IEDLYTERGSMLSITAFVYAATSPVNGYFGSLYARQGRWIKOMFICAFILIPAWVCGT	360	
Db	304	IEDLYTERGSMLSITAFVYAATSPVNGYFGSLYARQGRWIKOMFICAFILIPAWVCGT	363	
Qy	361	AFFINFIATYYHAGRAIPFGTMVAVCCICFFVILPLNLVGTILGRNLSQPNFPCRNVAV	420	

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|||||
364 AFFINFAIYTHASRAIPFGTMVAVCCICFFVILPLNLVGTILGRNLSGGQNFPCRNVAV 423
Db
|||||
421 PRPIPEKKWFMEPAVIVCLGGILPFGSIFIEMYFIFTSFWAYKIYVYVGFMMVLVILCI 480
Qy
|||||
424 PRPIPEKKWFMEPAVIVCLGGILPFGSIFIEMYFIFTSFWAYKIYVYVGFMMVLVILCI 483
Db
|||||
481 VTVCVTIVCTYFLLNAEDYRWQTSFLSAASTAIYVVMYSFYFFFKTKMYGLFQTSFYF 540
Qy
|||||
484 VTVCVTIVCTYFLLNAEDYRWQTSFLSAASTAIYVVMYSFYFFFKTKMYGLFQTSFYF 543
Db
|||||
541 GYMAVFSTALGIMCGAIGMGTSAFVRKIYTNVKID 576
Qy
|||||
544 GYMAVFSTALGIMCGAIGMGTSAFVRKIYTNVKID 579
Db

RESULT 2
US-10-755-466-2
; Sequence 2, Application US/10755466
; Publication No. US20040265854A1
; GENERAL INFORMATION:
; APPLICANT: HIDAKA, Jun et al.
; TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING I
; FILE REFERENCE: 0020-4827P
; CURRENT APPLICATION NUMBER: US/10/755.466
; CURRENT FILING DATE: 2004-01-13
; PRIOR APPLICATION NUMBER: US/09/786, 681
; PRIOR FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 582
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-755-466-2

Query Match 100.0%; Score 3089; DB 5; Length 582;
Best Local Similarity 100.0%; Pred. No. 6.7e-275;
Matches 576; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AALMLLLLLLPRTRADEHEHTYQDKEEVLMWMTVGPVHNQETKYFSLPFCVGSKKSI 60
Db 7 AALMLLLLLLPRTRADEHEHTYQDKEEVLMWMTVGPVHNQETKYFSLPFCVGSKKSI 66
Qy 61 SHYHETLGEALQGVLEFSGLDIKFKDDVMPATYCEIDLQKEKRDADFVYAIKNHYWYQY 120
Db 67 SHYHETLGEALQGVLEFSGLDIKFKDDVMPATYCEIDLQKEKRDADFVYAIKNHYWYQY 126
Qy 121 IDDLPIWGIAGEADENGEDYLYWYKKLEIGFNGNRIVDVNLTSEGKVKLVPNNTKIOMSY 180
Db 127 IDDLPIWGIAGEADENGEDYLYWYKKLEIGFNGNRIVDVNLTSEGKVKLVPNNTKIOMSY 186
Qy 181 SVKWKSDVKPFDFKYLDPSPFQHRTHWFSIFNSFMWVIFLGLVSMILMRTLKDYA 240
Db 187 SVKWKSDVKPFDFKYLDPSPFQHRTHWFSIFNSFMWVIFLGLVSMILMRTLKDYA 246
Qy 241 RYSKEEEMDDMDRLDGLDEYGWKQVHGDVFRPSSHPLIFSSILGSGCQIFAVSLIIVIAM 300
Db 247 RYSKEEEMDDMDRLDGLDEYGWKQVHGDVFRPSSHPLIFSSILGSGCQIFAVSLIIVIAM 306
Qy 301 IEDLYTERGSMLSAIFVYAATSVPNGYFGSLYAROGGRRWIKOMPIGAFIAPAMVCGT 360
Db 307 IEDLYTERGSMLSAIFVYAATSVPNGYFGSLYAROGGRRWIKOMPIGAFIAPAMVCGT 366
Qy 361 AFFINFAIYHASRAIPFGTMVAVCCICFFVILPLNLVGTILGRNLSGGQNFPCRNVAV 420
Db 367 AFFINFAIYHASRAIPFGTMVAVCCICFFVILPLNLVGTILGRNLSGGQNFPCRNVAV 426
Qy 421 PRPIPEKKWFMEPAVIVCLGGILPFGSIFIEMYFIFTSFWAYKIYVYVGFMMVLVILCI 480
Db 427 PRPIPEKKWFMEPAVIVCLGGILPFGSIFIEMYFIFTSFWAYKIYVYVGFMMVLVILCI 486
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Qy 481 VTVCVTIVCTYFLLNAEDYRWQTSFLSAASTAIYVVMYSFYFFFKTKMYGLFQTSFYF 540
Db 487 VTVCVTIVCTYFLLNAEDYRWQTSFLSAASTAIYVVMYSFYFFFKTKMYGLFQTSFYF 546
Qy 541 GYMAVFSTALGIMCGAIGMGTSAFVRKIYTNVKID 576
Db 547 GYMAVFSTALGIMCGAIGMGTSAFVRKIYTNVKID 582

RESULT 3
US-09-374-046A-26
; Sequence 26, Application US/09374046A
; Publication No. US20030096951A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: LaVallie, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Agostino, Michael J.
; APPLICANT: Steininger II, Robert J.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: GI 6075-83A
; CURRENT APPLICATION NUMBER: US/09/374,046A
; CURRENT FILING DATE: 1999-08-13
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-374-046A-26

Query Match 94.4%; Score 2916; DB 3; Length 545;
Best Local Similarity 99.8%; Pred. No. 5e-259;
Matches 544; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 32 MNTVGPVHNQETKYFSLPFCVGSKKSI SHYHETLGEALQGVLEFSGLDIKFKDDVMP 91
Db 1 MNTVGPVHNQETKYFSLPFCVGSKKSI SHYHETLGEALQGVLEFSGLDIKFKDDVMP 60
Qy 92 ATYCEIDLQKEKRDADFVYAIKNHYWYQYIDDLPIWGIAGEADENGEDYLYWYKKLEIG 151
Db 61 ATYCEIDLQKEKRDADFVYAIKNHYWYQYIDDLPIWGIAGEADENGEDYLYWYKKLEIG 120
Qy 152 FNGNRIVDVNLTSEGKVKLVPNNTKIOMSYSVKWKSDVKPFDFKYLDPSPFQHRTHWF 211
Db 121 FNGNRIVDVNLTSEGKVKLVPNNTKIOMSYSVKWKSDVKPFDFKYLDPSPFQHRTHWF 180
Qy 212 SIFNSFMWVIFLGLVSMILMRTLKDYARYSKSEEMDDMDRLDGLDEYGNKQVHGDVFRP 271
Db 181 SIFNSFMWVIFLGLVSMILMRTLKDYARYSKSEEMDDMDRLDGLDEYGNKQVHGDVFRP 240
Qy 272 SSHPLIFSSILGSGCQIFAVSLIIVIAMTEDLYTERGSMLSAIFVYAATSVPNGYFGG 331
Db 241 SSHPLIFSSILGSGCQIFAVSLIIVIAMTEDLYTERGSMLSAIFVYAATSVPNGYFGG 300
Qy 332 SLVAROGGRRWIKOMPIGAFIAPAMVCGTFAFFINFAIYHASRAIPFGTMVAVCCICFF 391
Db 301 SLVAROGGRRWIKOMPIGAFIAPAMVCGTFAFFINFAIYHASRAIPFGTMVAVCCICFF 360
Qy 392 VILPLNLVGTILGRNLSGGQNFPCRNVAVPRPIPEKKWFMEPAVIVCLGGILPFGSIFIE 451
Db 361 VILPLNLVGTILGRNLSGGQNFPCRNVAVPRPIPEKKWFMEPAVIVCLGGILPFGSIFIE 420
Qy 452 MYFIFTSFWAYKIYVYVGFMMVLVILCIIVCTIVCTYFLLNAEDYRWQTSFLSAAS 511
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Db 368 -----GVHCLLHQFH-SHLLP-----CFKSHSFWNNGRLLHLHFFCYSSKSCWY 411

QY 418 NAVRPIPE-----KKWFMEPAVIVCLGGILPGSIFIEYFIETSWA 461

Db 412 NTWPKSVRSQAQLSLSCQCCASSYTGEQWVGAAVIVCLGGILPGSIFIEYFIETSWA 471

QY 462 YKIIYYVYGFMMVLVLVILCIVTVCTVITVCTVIFLLNAEDYRWQWTSFLSAASTAIYYVMYS 520

Db 472 YKIIYYVYGFMMVLVLVILCIVTVCTVITVCTVIFLLNAEDYRWQWTSFLSAASTAIYYVMYS 530

RESULT 8

US-10-425-115-325471

; Sequence 325471, Application US/10425115

; Publication No. US2004014272A1

; GENERAL INFORMATION:

; APPLICANT: La Rosa, Thomas J.

; APPLICANT: Kovalic, David K.

; APPLICANT: Zhou, Yihua

; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

; FILE REFERENCE: 38-21(53222)B

; CURRENT APPLICATION NUMBER: US/10/425,115

; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 369326

; SEQ ID NO 325471

; LENGTH: 596

; TYPE: PRT

; ORGANISM: Zea mays

; FEATURE:

; OTHER INFORMATION: Clone ID: MRT4577\_598C.1.pap

US-10-425-115-325471

Query Match 56.5%; Score 1744.5; DB 4; Length 596;

Best Local Similarity 56.5%; Pred. No. 3.1e-151;

Matches 324; Conservative 96; Mismatches 150; Indels 3; Gaps 3;

QY 6 LLLLLPRTRADHEHTYQDKKEEVVLMWNTVGPYHNROETKYFSLPFCVGSKKSI:SHYHE 65

Db 25 LAALLALASASDHKYTEEPVKLVWNVKVPYNNPQETNYYSLPFCOPSEN-THKWG 83

QY 66 TLGEALQGVLEFSGLDIKFDKDDVMPATYCEIDLKDEKRDADFVYAIKNHYWQYMDLPL 125

Db 84 GLGEVLGNNELDSQLEIKFLNKEGFCITLEDKAKVQPADAIESSYWFEPFIDDL 143

QY 126 INGIIVEADENGED-YYLWTYKLEIGFNGNRIVDNLVTSEKVKLVNPTKIQMSYSVKW 184

Db 144 LMGFVGESDKSENKHYLYTHKNILVKYNDNRRIHVNLTQESPKLLEDGCKLEMTYSVKW 203

QY 185 KKSVDKFEEDRDKYLDPSFFQHRHWFHSIFNSFMWVIFLVGLVSMILMRTLKDYARYSK 244

Db 204 VATDVSFARRFVYLDYPPFEHQIHWFSIFNSFMWVIFLVGLVSMILMRTLNRNDYAKYAR 263

QY 245 E-BEEMDDMDRLDGEYQKQVHGDVFRPSSHPLIFSSLIIGSCQIFAVSLIIVIAMIED 303

Db 264 EDDDLLESLERDVNEESGKLVHGDVFRPSPRLMFLSALVGIGTQALAILLVILVIAVGM 323

QY 304 LYTERGSMSTAIFYAATSPVNGYFGSLYARQGRRWIKOMFICAFILPAMVCGTAPF 363

Db 324 LYIGRGAIITTFIVCYALTSPISGVSGLYSRSGGKNWIKAMVLTAISLFPFLCPSIGFM 383

QY 364 INFIAIYHASRAIPFGTMVAVCCICFPFVILPLNLVGTILGNLSGQNPFCRVNAVPRP 423

Db 384 LNTIAIFYRSLAAIPFGTMVAVCCICFPFVILPLNLVGTILGNLSGQNPFCRVNAVPRP 443

QY 424 IPEKKWFMEPAVIVCLGGILPGSIFIEYFIETSWAYKIYYVYGFMMVLVLVILCIVTV 483

Db 444 IPEKKWYLTSPVSLMGGLLPFGSIFIEYFVTSFWNYKYVYVYGFMLLVFVILLIYTI 503

QY 484 CVTIVCTVFLNAEDYRWQWTSFLSAASTAIYYVMYSFYFFPKTKYGLFQTSFYFGYM 543

Db 504 CVTIVGTVFLNAENYHWQWTSFSSAASTALYVLYSYIYHYVHVKTKMGSGFFQTSFYGYT 563

QY 544 AVFETALGCMGCAIGYMGTSFAVRKIYTNVKID 576

Db 564 LMFCGLGILCAIGYLGSTLFFVRIYRNIKCD 596

RESULT 9

US-10-437-963-141888

; Sequence 141888, Application US/10437963

; Publication No. US20040123343A1

; GENERAL INFORMATION:

; APPLICANT: La Rosa, Thomas J.

; APPLICANT: Kovalic, David K.

; APPLICANT: Zhou, Yihua

; APPLICANT: Cao, Yongwei

; APPLICANT: Wu, Wei

; APPLICANT: Boukharov, Andrey A.

; APPLICANT: Barbazuk, Brad

; APPLICANT: Li, Ping

; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

; FILE REFERENCE: 38-21(53221)B

; CURRENT APPLICATION NUMBER: US/10/437,963

; CURRENT FILING DATE: 2003-05-14

; NUMBER OF SEQ ID NOS: 204966

; SEQ ID NO 141888

; LENGTH: 617

; TYPE: PRT

; ORGANISM: Oryza sativa

; FEATURE:

; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_42949C.1.pap

US-10-437-963-141888

Query Match 56.5%; Score 1744; DB 4; Length 617;

Best Local Similarity 53.9%; Pred. No. 3.6e-151;

Matches 326; Conservative 99; Mismatches 150; Indels 30; Gaps 4;

QY 1 AALMLLLPRTRADHEHTYQDKKEEVVLMWNTVGPYHNROETKYFSLPFCVGSKKSI 60

Db 14 AAVLVVFLAPLAASDSHDHYQSEKVMWNVKVPYNNPQETNYYSLPFCCHPSNNPV 73

QY 61 SHYHETLGEALQGVLEFSGLDIKFDKDDVMPATYCEIDLKDEKRDADFVYAIKNHYWQY 120

Db 74 -HKWGLGEVLGNNELDSQIDIKFGRDVKGTICSIELDPDKAKQLSDAIESSYWFEPF 132

QY 121 IDDLPIWIGVEADENGED-YYLWTYKLEIGFNGNRIVDNLVTSEKVKLVNPTKIQMS 179

Db 133 IDDLPLWGFVGEADNRSDNKYFLFTHKNIVIRYNGNQIHHVNLTQESPKLIDAGKALDNT 192

QY 180 YSVKWKSDVKFEEDRDKYLDPSFFQHRHWFHSIFNSFMWVIFLVGLVSMILMRTLKDY 239

Db 193 YSVKWEPTNVTFAHRFDVLDYPPFEHQIHWFSIFNSFMWVIFLVGLVSMILMRTLNDY 252

QY 240 ARYSK-EBEEMDDMDRLDGEYQKQVHGDVFRPSSHPLIFSSLIIGSCQIFAVSLIIV 298

Db 253 AKYARDDDDLETLERDVNEESGKLVHGDVFRPSPRLSALLSALVGGTQLSAILLVILL 312

QY 299 AMIEDLYTERGSMSTAIFYAATSPVNGYFGSLYARQGRRWIKOMFICAFILPAMVVC 358

Db 313 AIIGMLYIGRGAIITTFIVCYALTSPISGVSGLYSRSGGKNWIKAMIMTASLFPFMCF 372

QY 359 GTAFINFIAYHASRAIPFGTMVAVCCICFPFVILPLNLVGTILGNLSGQNPFCRVN 418

Db 373 GIGLVNTIAIFYRSLAAIPFGTMVAVCCICFPFVILPLNLVGTILGNLSGQNPFCRVN 432

QY 419 AVPRPIPEKKWFMEPAVIVCLGGILPGSIFIEYFIETSWAYKIYYVYGFMMVLVLVIL 478

Db 433 TIPRIPEKKWYLTSPVIALMGGLLPFGSIFIEYFVTSFWNYKYVYVYGFMLLVFLIL 492

QY 479 CIVTVCTVITVCTVFLNAEDYRWQWTSFLSAASTAIYYVMYSFYFFPKTKYGLFQTSF 538

Db 493 IIVTICVTIVGTVFLNAENYHWQWTSFSSAASTAVVYVLYSYVYHYVHVKTKMGSGFFQTSF 552





Publication No. US20040034888A1  
GENERAL INFORMATION:  
APPLICANT: Liu, Jingdong  
APPLICANT: Zhou, Yihua  
APPLICANT: Kovalic, David K.  
APPLICANT: Screen, Steven E.  
APPLICANT: Tabaska, Jack E.  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
FILE REFERENCE: 38-21(5313)B  
CURRENT APPLICATION NUMBER: US/10/425,114  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 73128  
SEQ ID NO 66140  
LENGTH: 576  
TYPE: PRT  
ORGANISM: Zea mays  
FEATURE:  
OTHER INFORMATION: Clone ID: LIB4573-008-E4\_FLI.pep  
US-10-425-114-66140

Query Match 53.0%; Score 1636.5; DB 4; Length 576;  
Best Local Similarity 53.1%; Pred. No. 2.6e-141;  
Matches 307; Conservative 92; Mismatches 142; Indels 37; Gaps 3;  
Qy 1 AALWLLLLPRTRADEHEHTYQDKKEVVLMMNTVGPYHNRQETKYFSLPFCVGSKSI 60  
Db 34 AALIAVAHSPLAYASEAEHKYKTEEPVKLVWVKV-----68  
Qy 61 SHYHETLGEALQGVLEFSGLDIKFKDDVMPATYCEIDLKDKRDAFYVAIKHNYWQMY 120  
Db 69 -----LGGNELDSQIDIKFKVNDKGAICTIELDVQKVQFPANAIENSYWELF 118  
Qy 121 IDDLPIWIGVEADENG-DYLLWYTKLEIGNGNRIVDVNLTSEKVKLVNPTKQMS 179  
Db 119 IDDLPLMGFGVGETDKNEKKHYLTHKNIVKYNGNRHIIHVNLTQESPKLEAGKLDMT 178  
Qy 180 YSVKWKSDVKFDRFDKLDPSFQHRHWFSEIFNSFMVIFLVGLVSMILMRTLKDY 239  
Db 179 YSVKWKVQTNVAFARRFEVLDYPPFEHQIHWFSIFNSFMVIFLTGLVSMILMRTLNDY 238  
Qy 240 ARYSKE-EEMDDMRDLGDEYGVQVHGDVFRPSSHPLIFSSLGSCQIFAVSLIIV 298  
Db 239 AKYAREDDLESERDVNEESGKLVHGDVFRPPRGQVFLSALVGIGTQLAALLIVL 298  
Qy 299 AMIEDLYTERGSMSTAFVVAATSPVNGYFGGSLYARQGRRWIKOMFICAFILIPAMVC 358  
Db 299 AIVVMLYVGRGAIITTFIVCYALTSPISGVSGGLYSRNGKWKIKAMILTASLFPFLCF 358  
Qy 359 GTAFFINFIAIYHASRAIPFGTMVAVCCICFPVILPILNLTGILGNLSGQNPFCRVN 418  
Db 359 SIGLLNTIAIFRSLAAIPFGTMVAVCCICFPVILPILNLTGILGNLSGQNPFCRVN 418  
Qy 419 AVPRPIPEKKWMEPAVIVCLGILPFGSIFEMFYFTSFMAKYIYVYVGFMMVLVL 478  
Db 419 TIRPIPEKKWYLPSPVISLGMGLLPFGSIFEMFYFTSFMAKYIYVYVGFMMVLVL 478  
Qy 479 CIVTVCVTIVCTYFLLNAEDYRWQWTSFLSAASTAIYVVMYSFYFFKTKMYGLPOTSF 538  
Db 479 IIVTVCVTIVCTYFLLNAEDYRWQWTSFLSAASTAIYVVMYSFYFFKTKMYGLPOTSF 538  
Qy 539 YFGYMAVFTALGIMCGAIGMGTSAFVRKIYTNVKID 576  
Db 539 YFGYTLMFCLGLGILCGAVLGSTLFRVRIYRNKCD 576

## RESULT 15

US-10-425-115-286624  
Sequence 286624, Application US/10425115  
Publication No. US20040214272A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.

APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
FILE OF INVENTION: Plants  
FILE REFERENCE: 38-21(53222)B  
CURRENT APPLICATION NUMBER: US/10/425,115  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 369326  
SEQ ID NO 286624  
LENGTH: 552  
TYPE: PRT  
ORGANISM: Zea mays  
FEATURE:  
OTHER INFORMATION: Clone ID: MRT4577\_24498C.1.pep  
US-10-425-115-286624

Query Match 52.9%; Score 1635.5; DB 4; Length 552;  
Best Local Similarity 52.9%; Pred. No. 3e-141;  
Matches 306; Conservative 93; Mismatches 142; Indels 37; Gaps 3;  
Qy 1 AALWLLLLPRTRADEHEHTYQDKKEVVLMMNTVGPYHNRQETKYFSLPFCVGSKSI 60  
Db 10 AALIAVAHSPLAYASEAEHKYKTEEPVKLVWVKV-----44  
Qy 61 SHYHETLGEALQGVLEFSGLDIKFKDDVMPATYCEIDLKDKRDAFYVAIKHNYWQMY 120  
Db 45 -----LGGNELDSQIDIKFKVNDKGAICTIELDVQKVQFPANAIENSYWELF 94  
Qy 121 IDDLPIWIGVEADENG-DYLLWYTKLEIGNGNRIVDVNLTSEKVKLVNPTKQMS 179  
Db 95 IDDLPLMGFGVGETDKNEKKHYLTHKNIVKYNGNRHIIHVNLTQESPKLEAGKLDMT 154  
Qy 180 YSVKWKSDVKFDRFDKLDPSFQHRHWFSEIFNSFMVIFLVGLVSMILMRTLKDY 239  
Db 155 YSVKWKVQTNVAFARRFEVLDYPPFEHQIHWFSIFNSFMVIFLTGLVSMILMRTLNDY 214  
Qy 240 ARYSKE-EEMDDMRDLGDEYGVQVHGDVFRPSSHPLIFSSLGSCQIFAVSLIIV 298  
Db 215 AKYAREDDLESERDVNEESGKLVHGDVFRPPRGQVFLSALVGIGTQLAALLIVL 274  
Qy 299 AMIEDLYTERGSMSTAFVVAATSPVNGYFGGSLYARQGRRWIKOMFICAFILIPAMVC 358  
Db 275 AIVVMLYVGRGAIITTFIVCYALTSPISGVSGGLYSRNGKWKIKAMILTASLFPFLCF 334  
Qy 359 GTAFFINFIAIYHASRAIPFGTMVAVCCICFPVILPILNLTGILGNLSGQNPFCRVN 418  
Db 335 SIGLLNTIAIFRSLAAIPFGTMVAVCCICFPVILPILNLTGILGNLSGQNPFCRVN 394  
Qy 419 AVPRPIPEKKWMEPAVIVCLGILPFGSIFEMFYFTSFMAKYIYVYVGFMMVLVL 478  
Db 395 TIRPIPEKKWYLPSPVISLGMGLLPFGSIFEMFYFTSFMAKYIYVYVGFMMVLVL 454  
Qy 479 CIVTVCVTIVCTYFLLNAEDYRWQWTSFLSAASTAIYVVMYSFYFFKTKMYGLPOTSF 538  
Db 455 IIVTVCVTIVCTYFLLNAEDYRWQWTSFLSAASTAIYVVMYSFYFFKTKMYGLPOTSF 514  
Qy 539 YFGYMAVFTALGIMCGAIGMGTSAFVRKIYTNVKID 576  
Db 515 YFGYTLMFCLGLGILCGAVLGSTLFRVRIYRNKCD 552

Search completed: December 7, 2005, 13:01:58  
Job time : 128.55 secs



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; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 868
; LENGTH: 468
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-868

Query Match          3.5%; Score 109; DB 6; Length 468;
Best Local Similarity 20.3%; Pred. No. 0.058;
Matches 72; Conservative 58; Mismatches 130; Indels 94; Gaps 16;

QY 253 RDLGDEYGVKQVHGDVFRPSSHPLIFSSLSGSGCQIFAVS--LIVIVAMIEDLYTERGS 310
DB 29 RYLGHLEFWAVHNNIR-----ALIVAITSFVLIVLVAYMVQLHTRIIY 73

QY 311 MLSTAIFFVAATSPVNGYFGGSLYVAROGRRWIKOMFIGAF-LIPAMVCGTAFFINFIAI 369
DB 74 FILS--FVLMVTVP-----NTIYSETYG--W-----FTGFFSYIPATV--LSLFILFTVV 117
QY 370 YYHASRAIPFGTMVAVCCICFFVILPLNLVGTILGRNLGQPNFPCRVNAVPRPIPEKK- 428
DB 118 KKIESH-----TVSEMQLWVFLVLSLFGQFFLENLSIILIGWVVFVKKRL 170
QY 429 --WFMEPAVIVCLGILPFGSIFIEMYFIF-----TSFWAYKIYYV 467
DB 171 SYFLIVGFMLSCIGNIIMFLNF--NYFLIKDGLNTHYSISDSHGMIHKAGVTLFKLVE 227
QY 468 YGFM--MLVLVILCIVTV-----CVTI-VCTYFLNNAEDYRW 501
DB 228 YMFNQMIILTVISIVSVLLKQNSLKHMVVIKIPLLGLLITPLTYKIFVYNQHFEL 287
QY 502 QWTSFLSAA--STAIVVMYSFYFFKTKMYGLFQTSFYFGYNAVSTALGIM 553
DB 288 YKASFSIAVLNTTICFIYMSIVVVFVKMQOQRIYRMVMSGFAMASSVLPDLL 341

RESULT 4
US-11-082-389-332
; Sequence 332, Application US/11082389
; Publication No. US20050244935A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberkauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
; FILE REFERENCE: BGI-131CPCN
; CURRENT APPLICATION NUMBER: US/11/082,389
; CURRENT FILING DATE: 2005-03-16
; PRIOR APPLICATION NUMBER: US 09/603024
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: US 60/143262
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: US 60/151281
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19930487.4
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19930489.0
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931549.3
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931550.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932134.5
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19941379.7
; PRIOR FILING DATE: 1999-08-31
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 446
; SEQ ID NO 332
; LENGTH: 433
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-082-389-332

Query Match          3.5%; Score 108.5; DB 7; Length 433;
Best Local Similarity 19.8%; Pred. No. 0.057;
Matches 77; Conservative 55; Mismatches 144; Indels 113; Gaps 19;

QY 276 LIPSSLSGSGCQIFAVSLIIVIVAMI-EDLYTERGSMLSIAIFVYAATSPVNGYF---GG 331
DB 19 VLLGSLSGSVIEWDFLVVGTVAALVFNKMYFSPSGNEFLSTILAYASFS-LTFFFRPIGG 77
QY 332 SLYAROG---GRRWIKOMFIGAFILPAMVCGTAFFINFIAI----- 369
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Db 374 KINFNMQVIVHWSGLMRGAVSMALAYNKFTAGHTDVRGNAMITSTITVCLFSTVVFGM 433
Qy 448 I 448
Db 434 L 434

RESULT 7
US-11-090-439-18
; Sequence 18, Application US/11090439
; Publication No. US20050266442A1
; GENERAL INFORMATION:
; APPLICANT: Squillace, Rachel P.
; APPLICANT: Weiner, Michael P.
; TITLE OF INVENTION: Immortalized Human Tuberos Sclerosis Null
; FILE REFERENCE: 24318-502
; CURRENT APPLICATION NUMBER: US/11/090,439
; CURRENT FILING DATE: 2005-03-25
; PRIOR APPLICATION NUMBER: 60/556,344
; PRIOR FILING DATE: 2004-03-25
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-090-439-18

Query Match 3.0%; Score 94; DB 7; Length 553;
Best Local Similarity 16.2%; Pred. No. 1.2; Indels 150; Gaps 12;
Matches 59; Conservative 49; Mismatches 107;

Qy 161 NLTSEGKVLVPTNKIOMSYSVKWKSDVKFEDRFKYLDPSPFFQHRHWFPSIFNSFMV 220
Db 249 NKAHSGRIKISLNDISRECKDHVS-----GSIQKNTHYMWIFDAFVIL 294

Qy 221 IFVLGLV-----SMILMRTLKDYA-----RVSKKEEMDDMDRDLDGEYGWKQVHGDVFRP 271
Db 295 TCLVSLILCIRSVIRGLQOEFVNFLLHKKVSVSDQMEFVN---GW----- 341

Qy 272 SSHPLIFSLIGSGCQIFAVSLIVIAVIEDLVTERGSMNSTAIFVYAATSPVNGYFGG 331
Db 342 -----YMIISDILTIIGSILKMEIQAKSLTS----- 369

Qy 332 SLYARQGRRWIKQMFAGFLIPAMVCGTA-----FFINFIAIYHASRAIP 378
Db 370 -----YDVCSILIGTSTMLVWLGVIRYLGFFAKYNLLILTLQAALP 410

Qy 379 FGTWAVC-----CICFFVIL-----PLNLVGTILGRNLSGQNPFCRCVNAVPR 422
Db 411 NVIRFCCCAAMIYLGICYFCGIVLGPVHDKFRSLNMVSECLFSLINGDDMF----- 461

Qy 423 PIPEKWFMEPAVIVCLGGILPFGSIFTEMYFIFTSFWAYKIYVYVYGFMM-LVLVILCIV 481
Db 462 -----ATFAKMQOKSYLV-----WLFPSRILYISFISLFIYMIILSLF 497

Qy 482 TVCVT 486
Db 498 IALIT 502

RESULT 8
US-10-821-234-1389
; Sequence 1389, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A

; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: PC_SEQ_genes Version 1.0
; SEQ ID NO 1389
; LENGTH: 407
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1389

Query Match 3.0%; Score 93.5; DB 6; Length 407;
Best Local Similarity 21.5%; Pred. No. 0.91;
Matches 59; Conservative 32; Mismatches 67; Indels 117; Gaps 15;

Qy 342 WIKQMPFGAFLIPAMVCGTAFINFIAYYHASRAIPFGTMVAVCCICFFVI----- 393
Db 161 WTK--FCGA-LRPLKIVWGIFFI-----LVAL-----LFVISLFLSLND 196

Qy 394 LPLNLVG-----TILGRNLSGQNPFCRCVNAVPRPIPEKKWFMEPAVIVCLGGILPFGSI 448
Db 197 KALHSAGIDSGFIIFGANLSNPLNM-----LLPLLQTVFPLDYI 235

Qy 449 FIE---MYFIPTS-----FW--AYKI-----YVYVGFMMVLVLILCIVTVVC 484
Db 236 LITIIMYFIPTSMAGIRNIGIWFFFWIRLKIRRGTRRPOALLFLCMLLLIVLHTSYMI 295

Qy 485 VTIVCTVYFLNLNARDY-----RWQWTSFLSAAS-----TAIYVYVMSFY 522
Db 296 YSLAPQVMTGQSNQPIETNITSDNHKGNSTLSVPKRCDDADAPEDQCTVTRTYLFLHKFW 355

Qy 523 YFFFKTKMYGLFOTSFYFG---YMAVFSTALGIMC 554
Db 356 F-----FSAAYYFGNWAFLGVFLGLIIVSC 380

RESULT 9
US-10-689-742-164
; Sequence 164, Application US/10689742
; Publication No. US20050250180A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M
; APPLICANT: LaVallie, Edward R
; APPLICANT: Racie, Lisa A
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Spaulding, Vikki
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: 00766.000091.10
; CURRENT APPLICATION NUMBER: US/10/689,742
; CURRENT FILING DATE: 2003-10-22
; PRIOR APPLICATION NUMBER: 09/746,783
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 231
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 164
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-689-742-164

Query Match 3.0%; Score 93.5; DB 6; Length 464;
Best Local Similarity 21.5%; Pred. No. 1.1;
Matches 59; Conservative 32; Mismatches 67; Indels 117; Gaps 15;

Qy 342 WIKQMPFGAFLIPAMVCGTAFINFIAYYHASRAIPFGTMVAVCCICFFVI----- 393
Db 221 WTK--FCGA-LRPLKIVWGIFFI-----LVAL-----LFVISLFLSLND 256

Qy 394 LPLNLVG-----TILGRNLSGQNPFCRCVNAVPRPIPEKKWFMEPAVIVCLGGILPFGSI 448
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Db 257 KALHSAGIDSGPIIFGANSPLNN-----LLPLQTFVPLDYI 295  
Qy 449 FIE---MYFIPTS-----FW--AYKI-----YVYGFMMVLVLIVCIVVC 484  
Db 296 LTIITMFIPTSMAGIRNIGWFIWIRLYKIRGRTRPQALLFLCMLLIVLHSTYMI 355  
Qy 485 VTIVCTYFLNADY-----RWQWTSFLSAAS-----TAIVVMYGFY 522  
Db 356 YSLAPQYVMYQSYLYIETNITSDNHKGNSTLSVPKRCADAPEDQCTVTRTYLFLHKFW 415  
Qy 533 YFFKTKMYGLPQTSFYFG---YMAVFTALGIMC 554  
Db 416 F-----FSAAYYFGNWAFLGVLIGLIVSC 440  
RESULT 10  
US-10-485-517-344  
; Sequence 344, Application US/10485517  
; Publication No. US20050256299A1  
; GENERAL INFORMATION:  
; APPLICANT: University of Sheffield  
; APPLICANT: Biosynexus Incorporated  
; APPLICANT: Foster, Simon  
; APPLICANT: Mond, James  
; TITLE OF INVENTION: Antigenic Polypeptides  
; FILE REFERENCE: P100629W0  
; CURRENT APPLICATION NUMBER: US/10/485,517  
; PRIOR APPLICATION NUMBER: GB 0118825.9  
; PRIOR FILING DATE: 2001-08-02  
; PRIOR APPLICATION NUMBER: GB 0200349.9  
; PRIOR FILING DATE: 2002-01-09  
; NUMBER OF SEQ ID NOS: 424  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 344  
; LENGTH: 506  
; TYPE: PRT  
; ORGANISM: Staphylococcus aureus  
US-10-485-517-344  
Query Match 3.0%; Score 93.5; DB 6; Length 506;  
Best Local Similarity 18.6%; Pred. No. 1.2;  
Matches 71; Conservative 55; Mismatches 129; Indels 127; Gaps 16;  
Qy 243 SKEEMDDMDRLDGEYQWQVHGDV-----PRPSHPLIFSSLGSGCQIFAV 291  
Db 17 NKQIDRGDLKQNLSEKFYMAIAYGSCIGWAFILPGDWIKOSGPIAAS-----IGIVTGL 72  
Qy 292 SLIVIV---AMIEDLYTERG-----SMLSTAIFV-----YAATSPVNG----- 327  
Db 73 LMLIAVSYGALVERFPVSGGAFAPFSLFGRYVSFFSSWFLTFGYVCVVALNATAFSL 132  
Qy 328 -----YFGSGLYARQGRWRKQMFIFAGFLPAMVCGTAFINFIATYYHASRAIPF 379  
Db 133 VKFLLPDVNLNGKLYTIAGWDVYITEIIATVLLVFLVLT-----IRGASVS 180  
Qy 380 GTMAVACICFVILPLNLVLTILGRNLSGQNPFCRVNAVPRPIPEKKWMEPAVIVCL 439  
Db 181 GSLQYIFCVAMVIVVLLMFFGSGFFGNFALE-----NLQPLAEPKGLVLSVIVV-- 231  
Qy 440 GGLPFGSFIEMFYIFTSFWAYKIYYVYVGMVLVLIVLCIVTCVTVICVYFLLNADY 499  
Db 232 -SVAP-----WAY-----VGFDNIP-----QTAEF 251  
Qy 500 RWQWT-----SFLSAASTAIYVMYSFYVYFFKTRMYG-----LFQTSFVFGYMA 544  
Db 252 NFAPNKTPLIVYSLAASLIVVMVILYTWMLSTSHQSLNGQLMLTGAVTQTA--FGYIG 309  
Qy 545 VFSTALGIMCAIGVMGTSAFV 566  
Db 310 LGVLAIAIMMGI--FTGLNGEL 329

RESULT 11  
US-10-793-626-154  
; Sequence 154, Application US/10793626  
; Publication No. US20050255478A1  
; GENERAL INFORMATION:  
; APPLICANT: KIMMERLY, WILLIAM JOHN  
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS  
; FILE REFERENCE: P03480US  
; CURRENT APPLICATION NUMBER: US/10/793,626  
; PRIOR FILING DATE: 2004-03-04  
; PRIOR APPLICATION NUMBER: 60/164,258  
; PRIOR FILING DATE: 1999-11-09  
; NUMBER OF SEQ ID NOS: 4472  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 154  
; LENGTH: 1006  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: synthetic  
; OTHER INFORMATION: amino acid sequence  
US-10-793-626-154  
Query Match 3.0%; Score 92.5; DB 6; Length 1006;  
Best Local Similarity 18.8%; Pred. No. 3.6;  
Matches 73; Conservative 68; Mismatches 128; Indels 119; Gaps 19;  
Qy 18 HEHTYQDK-----EEVVLMMNTVGPYHNRQETKYKFSLPFCVCGSKKISHYHETLG 68  
Db 340 HNVYDMKTGOYRKATYKDIVILERSFGQARNLQQAQKNDIPPHVNSKE--GYFEQT-- 395  
Qy 69 EALQGELEFSGLDIKPKDDVMPATYCEIDLDEKRDADFVYAIKNHYQYQMYIDDLPIWG 128  
Db 396 ----EVRVLVSFLR-----TIDNPLQDIYLVGLMRSVIYQFTEESLAIR 436  
Qy 129 IVGEADENGEDYLLWTVKLEIGFNG-NRIYD-VNLTSEGVKVLVPNTKIQMSYSVKWK 186  
Db 437 VVSPHD----DYFQSIKYNMIDEKADSLVDKLN-----RFTQDIQKQNTSL--SQ 483  
Qy 187 SDVKFEDRFKYLDPSPFQH-----RIHWFSPNS-----FMVIFLV 224  
Db 484 PVYQLIDKF--YNDHFVIQYFSGLIGGKGRANLYGLFNKAVFENSSFRGLFQFIRFID 541  
Qy 225 GLV-----SMILMRTLKD-----YARYSKEEEMDDMDR--LGD 257  
Db 542 ELIDRKXDFGENVGVNDNVVMTTHSSKGLBFPFVIYSGLSKKFNKGNLAPVILNQ 601  
Qy 258 EYGMKQVHGDVFRSSHPILFS-----SLIGSGCQIFAVSLI-----VIVAMIED 303  
Db 602 QYGLGMDYFDVNDKMAFPASLASVAYRAINEKELISEMRLLIYVALTRAKEQLILVGRVD 661  
Qy 304 ----LYTERGSMSTAIFV---YAATSP 324  
Db 662 EKSLIKVEQLAVSDTHIAVNERLTATNP 689  
RESULT 12  
US-10-131-826A-14  
; Sequence 14, Application US/10131826A  
; Publication No. US20050245730A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven



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; SEQ ID NO 368
; LENGTH: 412
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-368

Query Match      2.9%; Score 89.5; DB 6; Length 412;
Best Local Similarity 21.1%; Pred. No. 2;
Matches 59; Conservative 42; Mismatches 83; Indels 95; Gaps 14;

QY 213 IFNSFMVIFLVGLVSMILMRLTRKDYARYSKEEEMDDMDRLDGYGKQVHGVDFRPS 272
Db 196 ILGSLIVAIVLFAVALVLGVGFH--YSQYA-----DNAEPVGM-----ALRES 237

QY 273 SHPLIFSSLIIGSGCOIFAVSLIIVIAMIEDLYTERGSMLSAIFVYAATSPVNGYFGGS 332
Db 238 GHGII-----AAIVQAISVIGMFTALI-----GMMLAGSRLLYS----- 271

QY 333 LYAROG-GRRWIKOM-----FIGAFILPAMVCGTAPFINFIAIYYHASRAIPFGTMV 383
Db 272 -FGRDGLLPSWLSQLNKHLPNRLALVILTIIGVIGSMPPFAFLA-----QLISAGTLV 324

QY 384 AVCCICFFVILPLNLVGTTLGRNLSQPNFPCRVNAVPRPIPEKKWFMPEPAVIVCLGGIL 443
Db 325 AP-----MFVSLAWYLRKREGKDL-----PRPEFKDLPLP-----IL 357

QY 444 PFGSIFIEWYFIFTSFWAY---KIYVYVGMMLVLVIL 478
Db 358 P---AITFILVLVFWGLSPEAKLYTLWFIWGIIVL 392
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## RESULT 15

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US-10-793-626-504
; Sequence 504, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PUS3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 504
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-504
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Query Match      2.9%; Score 89; DB 6; Length 346;
Best Local Similarity 20.4%; Pred. No. 1.7;
Matches 73; Conservative 56; Mismatches 133; Indels 96; Gaps 18;

QY 267 DVFRPSSHPL-----IPSSLIGSGCOIFAVSLIIVIAMIEDLY-TERG 309
Db 24 EVFLMSSYCLLVIGTGTKLQKETIKYILNVVSSFFVGVAVLVSVVGTNLHAISRL 83

QY 310 SMLST-----AIFVYAATSPVNGYFGGSFYARQGGRRWIKOMFICAFILPAMV 357
Db 84 SOLSDHDSGLNVNIFILFIFVPTKA---GVF--PMYV-----WLP-----GAYVAPVA 128

QY 358 CGTAF--FINFIAIYYHA--SRAIPGTMVAVCCICFFVILPLNLVGTTLGRNLSQPNFP 414
Db 129 IITFFGALLTKGVVAIARTLSLPFNTVS---FSHYVILFLALITIFG----- 175
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QY 415 CRVNAVPRPIPEKKWFMPEPAVIVCLGGILPFGSIFIEWYFIFTSFWAYKIYVYVGMMLV 474
Db 176 C-IGAIA-----YYDTKKIILYNIMVAVGVILVGIAMMNEGMTGAIIYITLHDMLVK 226

QY 475 LVILCIVTVCTIVCT-----YFLINAEIDYRWQWTSFLSAAASTAIYVYMYSPY 522
Db 227 ASLFLILGVMYKITKTTLDRHFGGLIKGPILG-----WTFIAALSLAGIPPPSGFY 279

QY 523 YYPFKTKMYGLPQTSFYEGYNVAFSTALGIMCGAI-----GYMG--TSAPVRKIYTNVK 574
Db 280 GKFYIVR--ATFEKGFYLSGIIVLLSSILVLYSVIRIFLKGFFGVEGYTLSSKKNVK 335
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Search completed: December 7, 2005, 13:02:16  
Job time : 8.94483 secs

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